

# **EXHIBIT 31**



EXHIBIT 540  
WIT: Jenkins  
DATE: 11-14-12  
MELISSA MAGEE, CSR, RMR



ORION

BSI NO. 7731



003



E59389

NO:

A34AGT13X98 (DL)

CPJ370BVBK15-TC

H4525312370

LIA 577

**CAUTION:** HIGH-VACUUM PICTURE TUBE  
IS DANGEROUS TO HANDLE. REFER SERVICING  
TO QUALIFIED SERVICE PERSONNEL.

**Warnsichere Kathodenstrahlröhre nach Anlage III Röntgenverordnung.**  
**X-RAY WARNING:** When picture tubes are  
operated at very high voltage and when  
personal exposure is prolonged at close  
range, special shielding precautions  
against x-ray radiation may be needed.

**WARNING:** THIS PICTURE TUBE EMPLOYS INTEGRAL IMPLOSION  
PROTECTION. REPLACE WITH A TUBE OF THE SAME TYPE NUMBER  
FOR CONTINUED SAFETY.

**AVERTISSEMENT :** CE TUBE CATHODIQUE EMPLOIE UNE PRO-  
TECTION D'IMPLOSION INTÉGRALE. REMPLACER PAR UN TUBE DU  
MÊME TYPE NUMÉRO POUR LA SÛRETÉ CONTINUE.

T1424 M

EXHIBIT 541  
WIT: Jenkins  
DATE: 11-14-12  
MELISSA MAGEE, CSR, RMR

# **EXHIBIT 32**



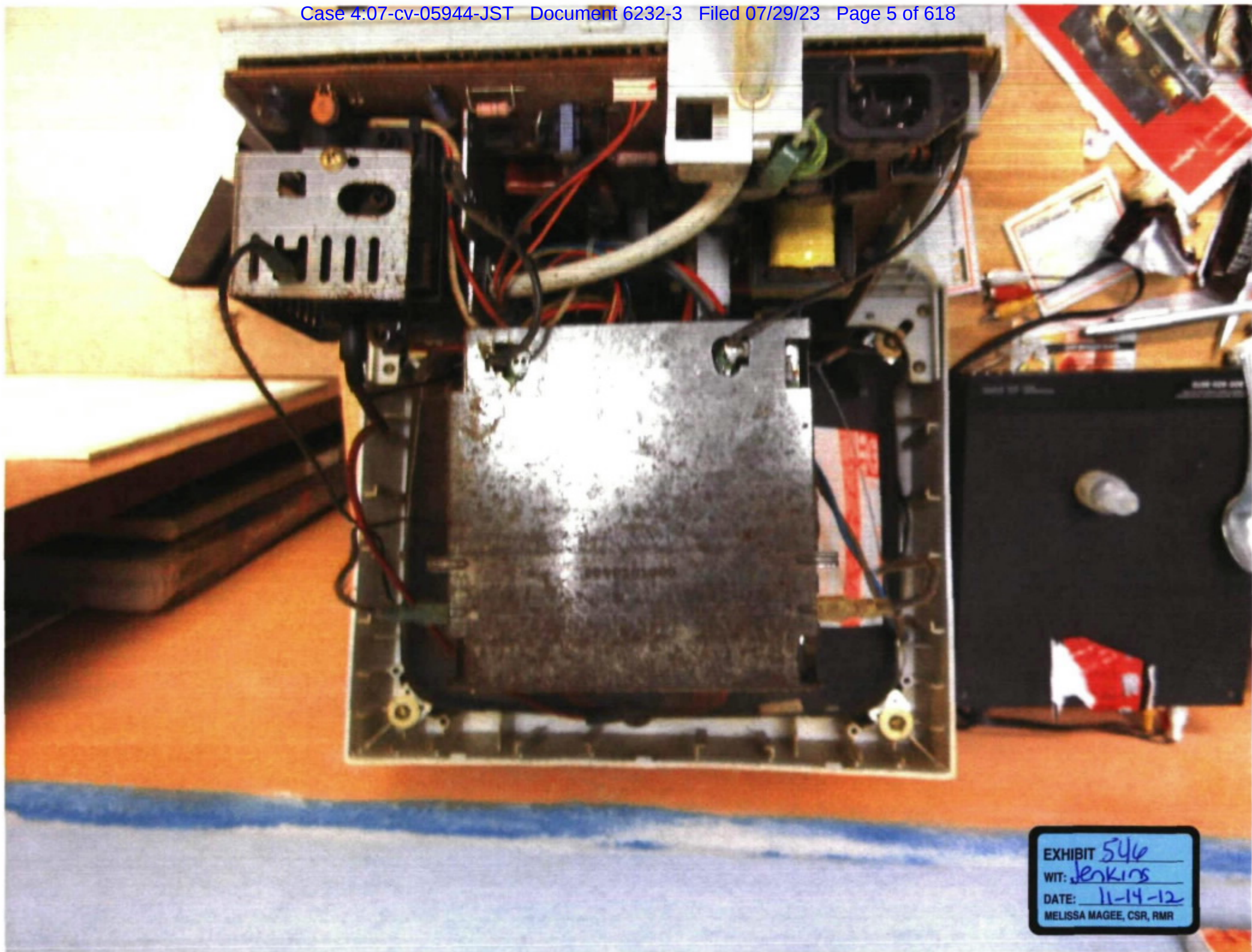



EXHIBIT 546  
WIT: Jenkins  
DATE: 11-14-12  
MELISSA MAGEE, CSR, RMR





BSI NO  
LR31974  
E59389

# CHUNGHWA

CP1370BV APIS TC

NO

EIA 571

Eigensichere Kathodenstrahlröhre nach Anlage III Röntgenverordnung.

CAUTION: HIGH-VACUUM PICTURE TUBE

IS DANGEROUS TO HANDLE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING: THIS PICTURE TUBE EMPLOYS INTEGRAL IMPLSION PROTECTION. REPLACE WITH A TUBE OF THE SAME TYPE NUMBER.

AVERTISSEMENT : CE TUBE CATHODIQUE EMPLOIE UNE PROTECTION D'IMPLOSION INTÉGRALE. REMPLACER PAR UN TUBE DE MÊME TYPE NUMÉRO POUR LA SÛRETÉ CONTINUE.

EXHIBIT 547  
 WIT: Jenkins  
 DATE: 11-14-12  
 MELISSA MAGEE, CSR, RMR

# **EXHIBIT 33**

Printed on 07/12/12

**SAMSUNG EXHIBIT A40**

**PLAINTIFF STEVEN FINK**

**CRTs:** Mr. Fink does not believe he reviewed any trade publications, advertisements, or news articles relating to the price or product features of CRTs during the relevant time period.

**CRT Products:** Mr. Fink believes he probably reviewed advertisements for CRT products in various newspapers and online during the relevant time period. Mr. Fink does not have specific recollection of the contents of any of the advertisements he saw.





Produced on 9/17/12

**SAMSUNG EXHIBIT A40**

**PLAINTIFF STEVEN FINK**

Steven Fink  
12932 Camden Ave.  
Omaha, NE 68164-1772

Joel M. Carney  
VALENTINE, O'TOOLE, MCQUILLAN & GORDON, LLP  
11240 Davenport Street  
P.O. Box 540125  
Omaha, NE 68154-0125

Michael Belancio  
FOLAND, WICKENS, EISFELDER, ROPER & HOFER, PC  
Commerce Bank Building  
911 Main Street, 30th Floor  
Kansas City, MO 64105

Robert J. Gralewski, Jr.  
KIRBY McINERNEY LLP  
825 Third Avenue  
New York, NY 10022

Produced on 9/17/12

**SAMSUNG EXHIBIT A40**

**PLAINTIFF STEVEN FINK**

1. **CRT PRODUCT:** Toshiba Television Model # 32AF53
2. **DATE OF PURCHASE:** 3/14/04
3. **LOCATION of PURCHASE:** Nebraska Furniture Mart, Omaha, Nebraska
4. **PERSONS INVOLVED IN PURCHASE:** Steven Fink
5. **PRICE:** \$639.99
6. **TAXES/FEES:** The standard sales tax was applied to the purchase of the television.
7. **BUNDLE:** The television was not purchased as part of a bundle or system.
8. **WARRANTIES:** None other than any standard manufacturers' warranties.
9. **PURPOSE of PURCHASE:** Personal use.

See also CRT000854-906.

Produced Pursuant to Protective Order

**SAMSUNG EXHIBIT E40**

**PLAINTIFF STEVEN FINK**

Mr. Fink did not purchase any non-CRT televisions or computer monitors during the relevant time period.



**Nebraska  
Furniture Mart**

Omaha, NE 68114, Kansas City, KS 66111, Des Moines, IA 50235

Customer Service: (402) 392-3499 or (800) 544-6638

3158 13:15

REVOLVING CHARGE ACCOUNT

03/14/04

**SALE**

ORDER: SL 13065451 V 1 PG 1

**CUSTOMER COPY**

BUYER 10905370 Called/Placed by: JCR:STEVEN W FI

JULIE FINK  
STEVEN W FINK  
12932 CAMDEN AVE  
OMAHA NE 68164-1772

**PICKUP FROM:**

#1 SO. END NEW WAREHOUSE - 695 ROSE BLUMKIN DRIVE

**PICKUP HOURS:** M-SA 10am-9pm / SU 10am-6pm**PICKUP DATE:** 03/14/04

Home Tel: 402 964-9456 Work Tel: 402 333-5063

Order Date: 03-14-2004 SUN Sold by: 2019 Matt F

Ln	Quant	SKU	SHIP DATE	Item Description	Price	Unit	T X	Extended Amount
1	1	19350693	03/14/04	TOSHB-32AF53-32" Tv	639.99	Each	Y	639.99
2	1	18770578	03/14/04	NEWES-XELE9992Y-2 Yr Comp (500-999)	49.99	Each	Y	49.99
Sub Total								\$689.98

NOTE: Credit/Debit Cards are accepted for purchases; however we CANNOT accept Account Payments by Credit/Debit Card.

**PURCHASE POLICY:** Unless stated otherwise above, purchases made at NFM may be returned for Exchange, Refund or Store Credit within 30 days from the date of purchase. Receipt and original packaging is required for all returns. Labor, Delivery and Installation charges are non-refundable.

If you have any questions about your order, call the Customer Service number found at the top of this document. Please note our Customer Service TELEPHONE SUPPORT hours: Mon-Fri 8am-9pm; Sat 9am-8pm; Sun 10am-6pm.

Thank you for choosing Nebraska Furniture Mart for your home furnishing needs, **MATT F.**

My purchase, made for personal, family or household use, is subject to the terms of my NFM Revolving Charge Agreement. Until my purchase is fully paid, NFM retains a security interest under the Uniform Commercial Code in the goods described above.

NOTICE - SPECIAL PROMOTIONAL TERMS, EXTENDED GRACE PERIOD. NO INTEREST IF PAID by September 1, 2005. Interest accrues at 18% APR from date of delivery, but will be waived if full purchase price and any elected payment protection charges, are paid before September 1, 2005.

MINIMUM MONTHLY PAYMENTS ARE REQUIRED. (Initial here): \_\_\_\_\_

X

Authorized Buyer's Signature

**BR80**

Rev. -- Sept '05

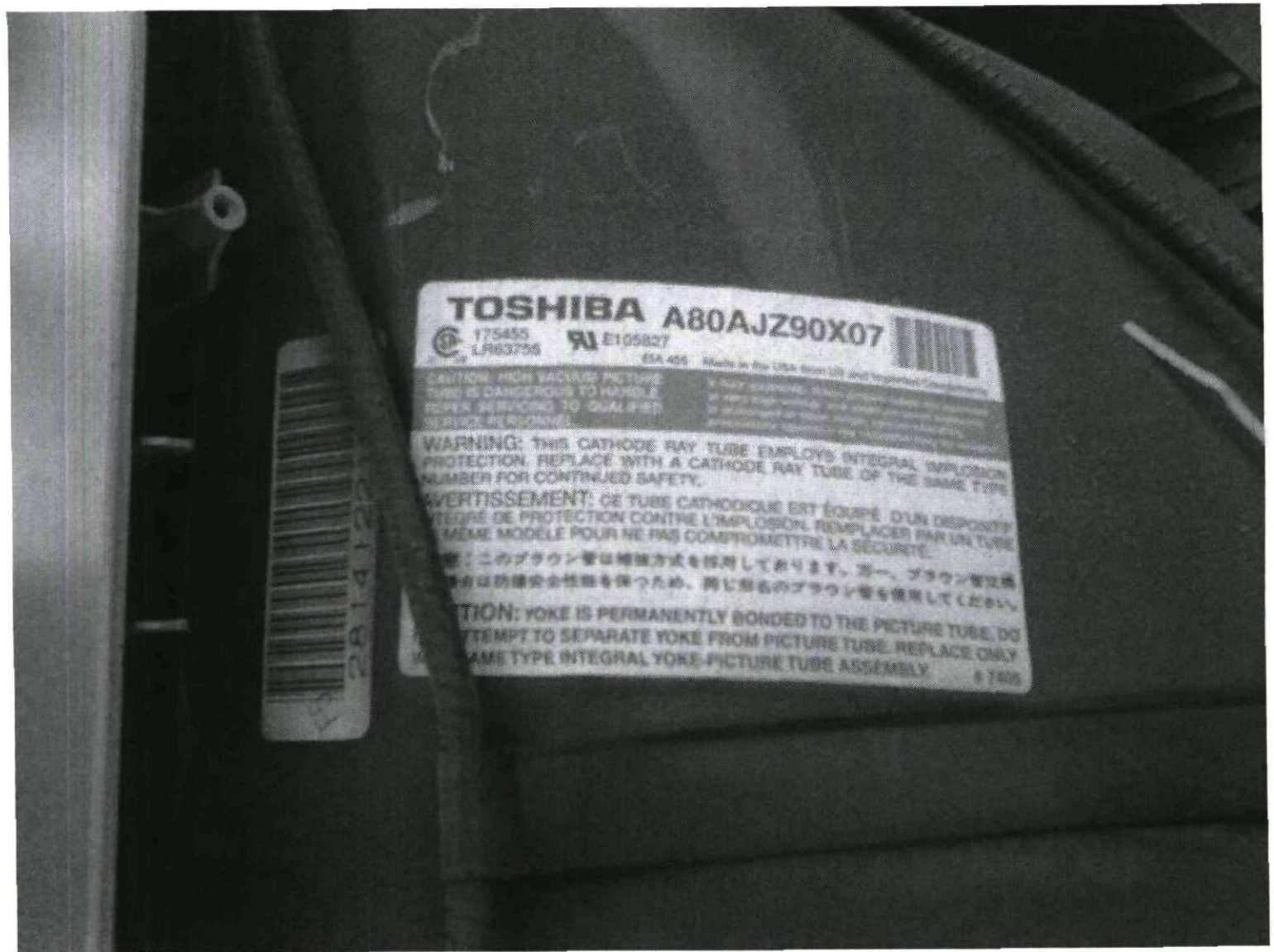
CAJ SL 13065451 V1P1 13223CAJ47714

<b>DELIVERY:</b>	+	0.00
Sales Tax% 7.000	+	48.30
<b>A. CASH PRICE</b>	=	738.28
<b>DOWNPAYMENTS</b>		
B. Deposit/Payments	-	0.00
C. Pending Credits	-	0.00
D. 880 Amount Due	-	\$0.00
<b>E. FINANCED AMOUNT</b>	=	738.28



CRT000902

# **EXHIBIT 34**



CRT000903



# **EXHIBIT 35**

UNITED STATES DISTRICT COURT  
 NORTHERN DISTRICT OF CALIFORNIA  
 SAN FRANCISCO DIVISION


IN RE: CATHODE RAY TUBE (CRT) ) CASE NO.  
 ANTITRUST LITIGATION ) 3:07-CV-05944 SC

THIS DOCUMENT RELATES TO:

ALL ACTIONS

DEPOSITION OF STEVEN FINK

November 28, 2012

 Kristin M. Teel, Notary Public  
 350081

**40**  
 YEARS

**BARKLEY**  
 Court Reporters

barkley.com

(310) 207-8000 Los Angeles

(916) 922-5777 Sacramento

(818) 702-0202 Woodland Hills

(516) 277-9494 Garden City

(415) 433-5777 San Francisco

(408) 885-0550 San Jose

(212) 808-8500 New York City

(914) 510-9110 White Plains

(949) 955-0400 Irvine

(760) 322-2240 Palm Springs

(347) 821-4611 Brooklyn

(312) 379-5566 Chicago

(858) 455-5444 San Diego

(951) 686-0606 Riverside

(518) 490-1910 Albany

(702) 366-0500 Las Vegas

+33 1 70 72 65 26 Paris

+971 4 8137744 Dubai

+852 3693 1522 Hong Kong



16:00 1 (At 4:01 p.m., with parties present as  
2 before, the following proceedings were had, to-wit:)

3 VIDEOGRAPHER: Counsel, the  
4 approximate time is 4:01 p.m. We're on the record.

16:01 5 BY MS. KRISTOVICH:

6 Q. Mr. Fink, what's your date of birth?

7 A. My date of birth is October 1, 1965.

8 MR. GRALEWSKI: I'm sorry. I don't  
9 mean to interrupt. Can we just get the two counsel  
16:02 10 who joined on the phone to --

11 MS. KRISTOVICH: Oh, sorry. I  
12 forgot.

13 MR. GRALEWSKI: -- state their  
14 appearances for the video?

16:02 15 Thank you. Go ahead, gentlemen.

16 MR. MALAISE: This is Charles Malaise  
17 from Baker Botts for the Philips defendants.

18 MR. McALLISTER: And this is Aaron  
19 McAllister from White & Case for the Toshiba  
16:02 20 entities.

21 BY MS. KRISTOVICH:

22 Q. Okay. Mr. Fink, what's your current home  
23 address?

24 A. My current home address is 12932 Camden  
16:02 25 Avenue, Omaha, Nebraska 68164.

16:02 1 Q. How long have you lived there?

2 A. I've lived there 15 years.

3 Q. Is that '97?

4 A. '97. November 24, '97.

16:02 5 Q. That's exactly 15 years.

6 How -- where did you live before that?

7 A. I lived in St. Louis, Missouri.

8 Q. How long did you live in St. Louis,

9 Missouri?

16:03 10 A. On and off, 20 -- 28 years, 29 years.

11 Q. Where were you living immediately before

12 you moved to the Camden Avenue address?

13 A. I was living in St. Louis in Florrisant,

14 Missouri. It's 480 South Saint Jacques.

16:03 15 Q. And how did -- how long did you live at

16 480 South Saint Jacques?

17 A. Probably five years.

18 Q. So you moved there approximately in 1992?

19 A. Uh-huh.

16:03 20 Q. So --

21 A. After I was married.

22 COURT REPORTER: I'm sorry?

23 THE WITNESS: After I was married.

24 BY MS. KRISTOVICH:

16:03 25 Q. When were you married?

17:29 1 A. I think it was with -- before tax.

2 Q. Did Nebraska Furniture Mart offer you any  
3 sort of low price match guarantee?

4 A. No.

17:29 5 Q. Do you know how much of the \$639 was for  
6 the CRT contained within the television?

7 A. No, I do not.

8 Q. How would you find that out?

9 A. Wouldn't be able to.

17:29 10 Q. Did you purchase any other products along  
11 with the TV, such as a VCR or DVD player?

12 A. Nope.

13 MR. GRALEWSKI: I'm going to  
14 belatedly object to the prior question, how did you  
17:30 15 find out. It calls for legal and expert testimony.

16 Thank you.

17 BY MS. KRISTOVICH:

18 Q. Could you have gotten any sort of service  
19 deal, other than the two-year warranty that you  
17:30 20 signed up for?

21 A. I don't recall if they were offering a  
22 longer deal at that time.

23 Q. And I take it Nebraska Furniture Mart is  
24 here in Nebraska?

17:30 25 A. Of course.



17:30 1 Q. Okay. And were you living in Nebraska at  
2 the time that you bought the television?

3 A. Yes.

4 Q. And I take it you put the -- do you have a  
17:30 5 truck? Did you put the TV in the truck?

6 A. Yes.

7 Q. In just the back of the truck and drove it  
8 home?

9 A. Yes.

17:30 10 Q. So there was no delivery or anything?

11 A. No.

12 Q. Okay. And you've -- have you used the TV  
13 in your family room since you bought it?

14 A. Yes.

17:31 15 Q. Has it ever been used for a business  
16 purpose?

17 A. No.

18 Q. Did you have any claim that it should be  
19 tax deductible or reimbursable through your  
17:31 20 business?

21 A. No.

22 Q. Okay. And has the Toshiba been a good  
23 television, in your opinion?

24 A. Yes.

17:31 25 Q. And do you have any complaints about it?

# **EXHIBIT 36**

Produced on 9/7/11

**SAMSUNG EXHIBIT B18**

**PLAINTIFF CRAIG STEPHENSON**

1. **CRT PRODUCT:** MAG Technology computer monitor – S/N: FXHA 1709 1973U
2. **DATE OF PURCHASE:** 5/20/01
3. **LOCATION of PURCHASE:** Best Buy, 338 W, Albuquerque, New Mexico
4. **PERSONS INVOLVED IN PURCHASE:** Craig Stephenson (plaintiff)
5. **PRICE:** \$57.13 (including tax)
6. **TAXES/FEES:** The standard sales tax was applied to the purchase of the computer monitor.
7. **BUNDLE:** The computer monitor was not purchased as part of a bundle or system.
8. **WARRANTIES:** None other than any standard manufacturers' warranties.
9. **PURPOSE of PURCHASE:** Personal use.

See also CRT000051-53.





# **EXHIBIT 37**



**SAMSUNG** TYPE **M46QCE261X115**  
 型号 (A/SKD)  
 序号S- **C31 10700110**

MADE BY SAMSUNG

**X-RAY WARNING :** When picture tubes are operated at very high voltage and when personal exposure is prolonged at close range, special shielding precautions against x-ray radiation may be needed.

**CAUTION :** HIGH-VACUUM PICTURE TUBE IS DANGEROUS TO HANDLE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Eigensichere Kathodenstrahlröhre nach Anlage III Röntgenverordnung. HS

**WARNING :** THIS CATHODE RAY TUBE EMPLOYS INTEGRAL IMPLOSION PROTECTION. REPLACE WITH A CATHODE RAY TUBE OF THE SAME TYPE NUMBER FOR CONTINUED SAFETY.

**AVERTISSEMENT :** CE TUBE CATHODIQUE EMPLOIE UNE PROTECTION D'IMPLOSION INTÉGRALE. REMPLACER PAR UN TUBE DE MÊME TYPE NUMÉRO POUR LA SÛRETÉ CONTINUE.

X射线警告：显象管在高压下工作时产生的辐射对长期暴露在其周围的人体有害，因此必须采取特殊的X射线屏蔽预防措施。小心：高压真空管搬动时应咨询专业人员，以免发生危险。注意：本产品为防爆型显象管，替换时，为防止X射线损伤，保证管子的防爆安全性，请使用同一型号的管子。

**UL** E65779-S **SP** LR29831 **CTB** G07012  
**TCV**

DEPOSITION  
 EXHIBIT  
 4/20/12 Stephen  
 PENGAD 800-631-6989





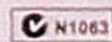
MAG TECHNOLOGY CO., LTD.  
21F, NO. 456, SEC. 4, HSIN-YI RD,  
TAIPEI, TAIWAN.

Product No : 986FS  
Model No: 986N  
Power: 100~240V ~ 2.0A 50/60HZ  
Serial No: FXHA17091973U



Manufactured: JULY, 2001

**FCC** Tested To Comply with FCC Standards  
FOR HOME OR OFFICE USE



This Class B Digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations. Get appareil numérique de la class B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Die diesem Gerät entstehende Röntgenstrahlung ist ausreichend durch die eigensichere Kathodenstrahlröhre Abgeschirmt: Max. 29KV Strahlstrom: Max. 1mA

This device complies with DHHS Radiation Performance Standards, 21 CFR Subchapter J

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

MADE IN CHINA





796FD/810FD  
December 1999



LT541C/F  
July 2000



LT541C/F  
April 1999



770FD  
November 2000



796FD  
January 2000



800V  
January 2000



786FD  
July 2000



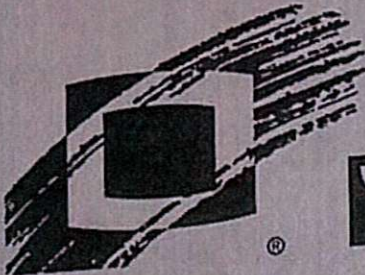
*Flat square color monitor*

**19"**

**986FS**

- 19" (17.9" VIS) Flat square tube
- 0.21mm horizontal dot pitch
- 30-86KHz horizontal frequency
- 1600x1200 maximum resolution
- 160Hz maximum refresh rate
- On-screen-display with JAG™ control
- Enhanced e-DVD mode
- Microsoft Windows® plug & play

**MAG**  
INNOVISION



ANTRAK SYSTEM  
TIMETABLE

# **EXHIBIT 38**



UNITED STATES DISTRICT COURT  
NORTHERN DISTRICT OF CALIFORNIA  
SAN FRANCISCO DIVISION

---o0o---

In Re: CATHODE RAY TUBE (CRT) )  
ANTITRUST LITIGATION, )  
Plaintiff, )

Case No.  
07-5944 SC  
MDL No. 1917

This Document Relates to: )  
ALL ACTIONS, )

HIGHLY CONFIDENTIAL ATTORNEYS' EYES ONLY  
VIDEOTAPED DEPOSITION OF CRAIG STEPHENSON  
THURSDAY, APRIL 26, 2012

REPORTER: BALINDA DUNLAP, CSR 10710, RPR, CRR, RMR



1 the time period of March 1st, 1995, through  
2 November 25th of 2007.

3 A. Okay.

4 Q. Okay. And I may sometimes call that the  
09:29 5 "relevant time period," okay?

6 A. All right.

7 Q. Mr. Stephenson, what's your home address?

8 A. I live at 1331 Park Avenue Southwest, Unit  
9 410 here in Albuquerque, zip 87102.

09:30 10 Q. How long have you lived at that address?

11 A. Since 20 -- October 2006.

12 Q. Where did you live before that?

13 A. I lived in Taos, New Mexico.

14 Q. All right. How long did you live in Taos?

09:30 15 A. Since 1994.

16 Q. So have you lived in New Mexico  
17 continuously since 1994?

18 A. Yes.

19 Q. The Park Avenue address that you just gave  
09:30 20 me, do you own your home there?

21 A. Yes.

22 Q. Do you own any other homes?

23 A. No.

24 Q. Do you live there year-round?

09:30 25 A. Yes.

# EXHIBIT 39

Mario N. Alioto, Esq. (56433)  
Lauren C. Capurro, Esq. (241151)  
TRUMP, ALIOTO, TRUMP & PRESCOTT, LLP  
2280 Union Street  
San Francisco, CA 94123  
Telephone: (415) 563-7200  
Facsimile: (415) 346-0679  
malioto@tatp.com  
lauren russell@tatp.com

*Lead Counsel for the Indirect Purchaser Plaintiffs*

**UNITED STATES DISTRICT COURT**  
**NORTHERN DISTRICT OF CALIFORNIA**  
**OAKLAND DIVISION**

IN RE: CATHODE RAY TUBE (CRT)  
ANTITRUST LITIGATION

Master File No. 4:07-cv-05944-JST  
(N.D. Cal.)

MDL No. 1917

This Document Relates to:  
ALL INDIRECT PURCHASER ACTIONS

**INDIRECT PURCHASER PLAINTIFF  
GREGORY PAINTER'S OBJECTIONS AND  
RESPONSES TO DEFENDANTS IRICO  
GROUP CORP. AND IRICO DISPLAY  
DEVICES CO., LTD.'S FIRST SET OF  
INTERROGATORIES**

**PROPOUNDING PARTY: IRICO GROUP CORP. AND IRICO DISPLAY  
DEVICES CO., LTD.**

**RESPONDING PARTY: INDIRECT PURCHASER PLAINTIFF GREGORY  
PAINTER**

**SET NUMBER: ONE**

Pursuant to Rules 26 and 33 of the Federal Rules of Civil Procedure, Indirect Purchaser Plaintiff Gregory Painter ("Plaintiff Painter") hereby responds and objects to the First Set of Interrogatories propounded by Defendants Irico Group Corp. and Irico Display Devices Co., Ltd. ("Defendants"), as set forth below.

**PRELIMINARY STATEMENT**

Each of the following responses is subject to all objections of and concerning relevance, materiality, and admissibility, as well as to all and any other objections on any ground requiring exclusion of any response if introduced in Court. All evidentiary objections and grounds accordingly are expressly reserved. Furthermore, Plaintiff Painter's decision, now or in the future, to provide information notwithstanding the objectionable nature of the Interrogatories shall not be construed as (a) an admission that he agrees with any of Defendants' definitions or characterizations contained therein, (b) an admission that the information sought likely will lead to the discovery of admissible evidence, or (c) an agreement that requests for similar information will be treated in a similar manner.

For purposes of these Interrogatories, Plaintiff Painter defines the term "CRT Products" as televisions and computer monitors containing CRTs.

Plaintiff Painter's responses to the First Set of Interrogatories are made without prejudice to his right to introduce any or all evidence of any kind in this case.

The specific responses and objections set forth below are based upon information now known. Plaintiff Painter has not yet completed discovery or preparation for trial in this case, and, therefore, reserves the right to amend, modify, or supplement any general or specific objection or response.

Nothing in his responses to these Interrogatories shall be construed as an admission by Plaintiff Painter going to the competence, admissibility, relevance, or materiality of any fact or document, or as an admission of the truth or accuracy of any characterization of any information of any kind sought by these Interrogatories.

Plaintiff Painter reserves his right to object to use of his responses herein, or the subject matter thereof, on any ground in this or in any subsequent proceeding, including, without limitation, the right to object on any ground at any time to the use of such responses in any discovery procedures in this or any proceeding, and/or at trial.



1 Plaintiff Painter's responses to the Interrogatories are subject to the provisions of the  
2 Stipulated Protective Order entered by the Court June 18, 2008 (Document 306) (the "Protective  
3 Order"). Plaintiff Painter's Interrogatory Responses hereby are designated "Confidential" in  
4 accordance with the provisions of the Protective Order.

5 Each of the General Objections herein is considered applicable to and is hereby  
6 incorporated into each and every response by Plaintiff Painter to the Interrogatories, and each  
7 response is given without waiving any of the General Objections. The assertion of any General  
8 Objection in response to any Interrogatory should not be considered a waiver of the remaining  
9 General Objections. By making the responses herein, Plaintiff Painter does not concede that the  
10 information provided is relevant to the claims or defenses of any party or reasonably calculated  
11 to lead to the discovery of admissible evidence.

### 12 **GENERAL OBJECTIONS**

13 1. Plaintiff Painter objects to, and will not answer, the Interrogatories to the extent  
14 they seek discovery of information, legal analysis, and/or strategies concerning any Class  
15 Certification motion Indirect Purchaser Plaintiffs may file under Rule 23 of the Federal Rules of  
16 Civil Procedure. Such information, legal analysis, and/or strategies are protected from disclosure  
17 by the attorney-client privilege and/or the work-product doctrine.

18 2. Plaintiff Painter objects to, and will not answer, the Interrogatories to the extent  
19 Defendants intend or purport to impose obligations beyond those required or permitted by the  
20 Federal Rules of Civil Procedure and the Local Rules of the Northern District of California, or to  
21 the extent they are outside the scope of any order or opinion of this Court or of the Special  
22 Master, or contrary to any applicable rules of law.

23 3. Plaintiff Painter objects to, and will not answer, the Interrogatories to the extent  
24 they comprise premature "contention interrogatories," the answers to which are dependent on  
25 merits and/or expert discovery. Pursuant to Rule 33(a)(2) of the Federal Rules of Civil  
26 Procedure, Plaintiff Painter, as necessary or appropriate, will respond to proper "contention  
27 interrogatories" after merits and expert discovery is complete, and/or after some other time as  
28

1 directed by the Court or Special Master. *See, e.g., In re Convergent Technologies Securities*  
2 *Litigation*, 108 F.R.D. 328, 336 N.D. Cal. 1985) (“There is considerable recent authority for the  
3 view that the wisest general policy is to defer propounding and answering contention  
4 interrogatories until near the end of the discovery period.”); *In re eBay Seller Antitrust*  
5 *Litigation*, No. C 07-1882 JF (RS), 2008 WL 5212170, at \*1 (N.D. Cal. Dec. 11, 2008) (“Courts  
6 using their Rule 33(a)(2) discretion generally disfavor contention interrogatories asked before  
7 discovery is undertaken.”).

8         4. Plaintiff Painter objects to the Interrogatories, including the Definitions and  
9 Instructions set forth therein, to the extent (a) they seek to elicit information relating or referring  
10 to matters not raised by the pleadings, (b) they seek to elicit information that is not relevant to  
11 the claims or defenses of the parties to this action, (c) they seek to elicit information that is not  
12 within Plaintiff Painter’s possession, custody, or control, or (d) they seek to elicit information not  
13 reasonably calculated to lead to the discovery of admissible evidence.

14         5. Plaintiff Painter objects to, and will not answer, the Interrogatories to the extent  
15 they seek information protected by the attorney-client privilege, work-product doctrine, or any  
16 other applicable privilege, protection, immunity, or rule (collectively, “Privileged Information”),  
17 including, without limitation, information concerning communications between Plaintiff  
18 Painter’s attorneys, and/or between Plaintiff Painter and his attorneys, made during, or in  
19 anticipation of, litigation. Any inadvertent disclosure of such information is not intended to, and  
20 shall not, constitute a general or specific waiver, in whole or in part, of the foregoing privileges  
21 or immunities, or the subject matter thereof. Relatedly, any inadvertent disclosure of such  
22 information is not intended to, nor shall it, constitute a waiver of the right to object to any use of  
23 such information, and any such disclosure shall be treated as specified in Rule 26(b)(5)(B) of the  
24 Federal Rules of Civil Procedure.

25         6. Plaintiff Painter objects to, and will not answer, the Interrogatories to the extent  
26 that (a) they seek the premature disclosure of expert material subject to Rule 26(a)(2)(C) of the  
27 Federal Rules of Civil Procedure, and/or (b) they seek disclosure of information concerning any  
28

1 person or entity whom Indirect Purchaser Plaintiff Gregory Painter will not designate as an  
2 opinion or other witness at trial.

3 7. Plaintiff Painter objects to the Interrogatories, including the Definitions and  
4 Instructions set forth therein, to the extent they seek information that is equally accessible to  
5 Defendants as it is to Plaintiff Painter, or that has been provided by other parties or witnesses.

6 8. Plaintiff Painter objects to the Interrogatories, including the Definitions and  
7 Instructions set forth therein, to the extent they are cumulative to or duplicative of other  
8 Interrogatories.

9 9. Plaintiff Painter objects to, and will not answer, the Interrogatories to the extent  
10 that they seek confidential or proprietary business information and research.

11 10. Plaintiff Painter objects to the purported definition of the terms “You” and “Your”  
12 because they are vague, ambiguous, overly broad, and unduly burdensome, as they seek  
13 information that is neither relevant nor reasonably calculated to lead to the discovery of  
14 admissible information. Plaintiff Painter further objects to the inclusion of “attorneys, agents,  
15 and representatives of any of the above, and all persons acting or purporting to act on their  
16 behalf,” within this Definition to the extent it purports to encompass information that is protected  
17 by attorney-client privilege and/or work-product doctrine, or any other applicable privilege,  
18 protection, immunity, or rule.

19 11. Plaintiff Painter objects to the purported definition of the term “Document(s)” to  
20 the extent it attempts to impose burdens on him greater than or inconsistent with those imposed  
21 by the Federal Rules of Civil Procedure or the Local Rules for the United States District Court  
22 for the Northern District of California.

23 12. Plaintiff Painter objects to the Interrogatories, including the Definitions and  
24 Instructions set forth therein, to the extent they purport to require Plaintiff Painter to identify  
25 documents supportive of a response on the ground that any such information is subject to the  
26 attorney-client privilege and/or work product doctrine at this stage of this case.

13. Plaintiff Painter objects to the Interrogatories, including the Definitions and Instructions set forth therein, to the extent any one or more or all of them assume disputed facts or legal conclusions. Any response or objection herein is without prejudice to this objection and Plaintiff Painter's right to dispute such purported facts or legal conclusions.

**SPECIFIC OBJECTIONS AND RESPONSES**

**INTERROGATORY NO. 1:**

Identify all Persons who participated or assisted in the preparation of Your responses to these interrogatories.

**RESPONSE NO. 1:**

In addition to the General Objections listed above, Plaintiff Painter objects to Interrogatory No. 1 because it calls for the disclosure of privileged information, including, without limitation, information subject to the attorney-client privilege and/or the work product doctrine. Plaintiff Painter also objects to Interrogatory No. 1 because it seeks information that is neither relevant nor reasonably calculated to lead to the discovery of admissible evidence.

Subject to and without waving the objections stated above, Plaintiff Painter responds that his counsel participated or assisted in the preparation of these responses.

**INTERROGATORY NO. 2:**

Separately identify each acquisition of a CRT or CRT Product upon which You base any claim in this action, including without limitation the date and place of acquisition, the type and manufacturer of each CRT acquired, and the Identity of each Person involved in the acquisition and the time period and nature of each Person's involvement.

As part of Your response, Identify each Document that supports Your response.

**RESPONSE NO. 2:**

In addition to the General Objections listed above, Plaintiff Painter objects to Interrogatory No. 2 because the term "acquisition" is vague, ambiguous, and overly broad.

Subject to and without waiving the objections stated above, Plaintiff Painter responds by stating that he personally purchased an HP Pavilion MX Multimedia CRT Monitor from Office

1 Depot, 222 Fairview Drive, Carson City, NV 89701 (Store #0973) on January 16, 2002. Plaintiff  
2 Painter refers Defendants to CRT001000-001128.

3 Plaintiff Painter's discovery and investigation is ongoing, and he reserves the right to  
4 supplement this response as appropriate.

5 **INTERROGATORY NO. 3:**

6 For each acquisition of a CRT or CRT Product identified in Interrogatory No. 2, state all  
7 terms and conditions that were a part of the acquisition, including without limitation all terms  
8 and conditions Relating To pricing, taxes, tariffs, duties, freight charges, or any other fees paid  
9 by any Person in connection with the acquisition.

10 As part of Your response, Identify each Document that supports Your response.

11 **RESPONSE NO. 3:**

12 In addition to the General Objections listed above, Plaintiff Painter objects to  
13 Interrogatory No. 3 because the term "acquisition" is vague, ambiguous, and overly broad.

14 Subject to and without waiving the objections stated above, Plaintiff Painter responds by  
15 stating that he paid seven percent sales tax. Plaintiff Painter refers Defendants to CRT001128.

16 **INTERROGATORY NO. 4:**

17 For each acquisition of a CRT or CRT Product identified in Interrogatory No. 2, state  
18 whether the CRT or CRT Product was acquired as part of a system or other bundled product  
19 (e.g., a CRT computer monitor acquired in conjunction with a computer, keyboard, speakers,  
20 warranty, service plan, or other services) and, if so, the value of each component of such system  
21 or bundled product.

22 As part of Your response, Identify each Document that supports Your response.

23 **RESPONSE NO. 4:**

24 In addition to the General Objections listed above, Plaintiff Painter objects to  
25 Interrogatory No. 4 because the term "acquisition" is vague, ambiguous, and overly broad.

26 Subject to and without waiving the objections stated above, Plaintiff Painter responds by  
27 stating that he did not purchase his CRT Product as part of a system or other bundled product.  
28



1 **INTERROGATORY NO. 5:**

2 For each acquisition of a CRT or CRT Product identified in Interrogatory No. 2, identify  
3 any warranties, servicing plans or agreements, membership rewards, or other benefits received  
4 by You Relating To the acquisition.

5 As part of Your response, Identify each Document that supports Your response.

6 **RESPONSE NO. 5:**

7 In addition to the General Objections listed above, Plaintiff Painter objects to  
8 Interrogatory No. 5 because the term “acquisition” is vague, ambiguous, and overly broad.  
9 Plaintiff Painter further objects that the terms “membership rewards” and “other benefits  
10 received by You” are vague, ambiguous, overly broad, irrelevant, and not reasonably calculated  
11 to lead to the discovery of admissible evidence.

12 Subject to and without waiving the objections stated above, Plaintiff Painter responds by  
13 stating that he did not purchase an extended warranty or service plan in connection with his  
14 acquisition of the HP Pavilion MX Multimedia CRT Monitor.

15 **INTERROGATORY NO. 6:**

16 Identify the purpose(s) for which You acquired each CRT or CRT Product during the  
17 Relevant Period, including without limitation whether the CRT was acquired for resale and, if so,  
18 whether and under what terms and conditions it was resold.

19 **RESPONSE NO. 6:**

20 In addition to the General Objections listed above, Plaintiff Painter objects to  
21 Interrogatory No. 6 because the term “acquired” is vague, ambiguous, and overly broad.

22 Subject to and without waiving the objections stated above, Plaintiff Painter responds by  
23 stating that he purchased the HP Pavilion MX Multimedia CRT Monitor for personal use and not  
24 for resale.

25 **INTERROGATORY NO. 7:**

26 Identify in detail every Communication between You and any actual or potential member  
27 of the putative class relating to Your potential service as a class representative in this action,  
28

1 including without limitation the Identity of each Person with whom You have so Communicated,  
2 whether each such Person has consented, refused to consent, or otherwise responded to Your  
3 purported authority to institute this action or serve as a class representative, and the date, time,  
4 place, and content of the Communication.

5 As part of Your response, Identify each Document that supports Your response.

6 **RESPONSE NO. 7:**

7 In addition to the General Objections listed above, Plaintiff Painter objects to  
8 Interrogatory No. 7 because it calls for the disclosure of privileged information, including,  
9 without limitation, information subject to the attorney-client privilege and/or the work product  
10 doctrine. Plaintiff Painter also objects to Interrogatory No. 7 because it seeks information that is  
11 neither relevant nor reasonably calculated to lead to the discovery of admissible evidence.

12 Subject to and without waiving the objections stated above, Plaintiff Painter has had no  
13 such Communication.

14 **INTERROGATORY NO. 8:**

15 Identify each civil action, excluding this action, in which You have participated or are  
16 currently participating, including without limitation whether You provided deposition, trial, or  
17 other testimony in a civil or criminal action, including the date, location, and case number of the  
18 action in which the testimony was provided and whether any motion was filed to certify or  
19 decertify a class and, if so, the disposition of any such motion.

20 **RESPONSE NO. 8:**

21 In addition to the General Objections listed above, Plaintiff Painter objects to  
22 Interrogatory No. 8 because it is overly broad and seeks information that is neither relevant nor  
23 reasonably calculated to lead to the discovery of admissible evidence.

24 Subject to and without waiving the objections stated above, Plaintiff Painter responds that  
25 he will identify (a) any putative or certified class actions in which he serves/served as a Class  
26 Representative, and (b) any other litigation in which he has been involved relating to his  
27 purchases of CRT(s) and/or CRT Products.  
28

1 Plaintiff Painter responds by stating: *In re: Hard Disk Drive Suspension Assemblies*  
2 *Antitrust Litigation*, Case No. 3:19-md-02918-MMC, MDL 2918 (N.D. Cal.).

3 **INTERROGATORY NO. 9:**

4 Describe in detail how, when, the manner in which, and the extent to which You believe  
5 You have been damaged as a result of the conduct alleged in the Complaint, including the total  
6 dollar amount by which You allege You were overcharged. As part of Your answer, Identify  
7 each Person with whom You have consulted, and each Document that You contend supports  
8 Your response.

9 **RESPONSE NO. 9:**

10 In addition to the General Objections listed above, Plaintiff Painter objects to  
11 Interrogatory No. 9 because (a) it calls for the premature disclosure of expert material subject to  
12 Rule 26(a)(2)(C) of the Federal Rules of Civil Procedure, and (b) it seeks disclosure of privileged  
13 information, including, without limitation, information subject to the attorney-client privilege  
14 and/or work product doctrine. Plaintiff Painter further objects that this Interrogatory is a  
15 premature contention interrogatory, served before Defendants have provided fact discovery  
16 and/or expert analysis and disclosures. *See In re Convergent Technologies Securities Litig.*, 108  
17 F.R.D. 328, 332-38 (N.D. Cal. 1985).

18 Subject to and without waiving the objections stated above, Plaintiff Painter responds that  
19 he suffered damages by paying higher CRT Product prices than he would have in the absence of  
20 Defendants' conduct. Plaintiff Painter refers Defendants to (1) the Expert Report of Janet S. Netz  
21 Ph.D. dated April 15, 2014, (2) the Errata to the Expert Report of Janet S. Netz Ph.D. dated July  
22 3, 2014, (3) the Rebuttal Report of Janet S. Netz Ph.D. dated September 26, 2014, (4) the  
23 Indirect Purchaser Plaintiffs' Objections and Responses to Defendant Hitachi Ltd.'s First  
24 Request Set of Interrogatories to the Indirect Purchaser Plaintiffs, Attachment A, and (5) the  
25 productions of documents and written discovery responses by the other defendants in this action.

26 Plaintiff Painter's discovery and investigation is ongoing, and he reserves the right to  
27 supplement this response as appropriate.

**INTERROGATORY NO. 10:**

Describe in detail and in narrative form (including by Identifying each Document, Person or other evidentiary source that You rely upon) the factual basis for your allegation that Irico Group Corp. manufactured, marketed, sold and/or distributed CRT Products directly or indirectly throughout the United States, as alleged in paragraph 95 of the Complaint.

**RESPONSE NO. 10:**

In addition to the General Objections listed above, Plaintiff Painter objects to Interrogatory No. 10 because it is a premature contention interrogatory, served before Defendants have provided fact discovery and/or expert analysis and disclosures. *See In re Convergent Technologies Securities Litig.*, 108 F.R.D. 328, 332-38 (N.D. Cal. 1985).

Subject to and without waiving the foregoing objections, Plaintiff Painter responds by referring Defendants to (1) the Indirect Purchaser Plaintiffs' Opposition to the Irico Defendants' Amended Motions to Dismiss Claims of Indirect Purchaser Plaintiffs For Lack of Subject Matter Jurisdiction (Fed. R. Civ. P. 12(b)(1)), ECF No. 5440 at 4-10, (2) the Declaration of Mario N. Alioto in Support of Indirect Purchaser Plaintiffs' Opposition to Irico Defendants' Amended Motion to Dismiss for Lack of Subject Matter Jurisdiction, ECF No. 5440-1, Exs. 1-39, and (3) the Declaration of R. Alexander Saveri in Support of Direct Purchaser Plaintiffs' Opposition to the Irico Defendants' Amended Motion to Dismiss for Lack of Subject Matter Jurisdiction, ECF No. 5419-1 & 5460-2, Exs. 12, 15, 16, 17 & 22.

Pursuant to Plaintiff Painter's obligations under Federal Rule of Civil Procedure 26(e), he will supplement his response to this Interrogatory at the appropriate time following completion of other fact discovery.

**INTERROGATORY NO. 11:**

Describe in detail and in narrative form (including by Identifying each Document, Person or other evidentiary source that You rely upon) the factual basis for your allegation that Irico Display Devices, Co., Ltd. manufactured, marketed, sold and/or distributed CRT Products



directly or indirectly, including through its subsidiaries or affiliates, throughout the United States, as alleged in paragraph 96 of the Complaint.

**RESPONSE NO. 11:**

*See* Plaintiff Painter's Objections and Responses to Interrogatory No. 10.

**INTERROGATORY NO. 12:**

Describe in detail and in narrative form (including by Identifying each Document, Person or other evidentiary source that You rely upon) the factual basis for your allegation that Irico Group Corp. was an active participant in the alleged conspiracy, or participated through Display or Electronics, as alleged in paragraph 185 of the Complaint.

**RESPONSE NO. 12:**

In addition to the General Objections listed above, Plaintiff Painter objects to Interrogatory No. 12 because it is a premature contention interrogatory, served before Defendants have provided fact discovery and/or expert analysis and disclosures. *See In re Convergent Technologies Securities Litig.*, 108 F.R.D. 328, 332-38 (N.D. Cal. 1985). Plaintiff Painter further objects that information responsive to this interrogatory is equally accessible to Defendants as it is to Plaintiff Painter because it has been provided by other parties or witnesses.

Subject to and without waiving the foregoing objections, Plaintiff Painter refers Defendants to (1) the Indirect Purchaser Plaintiffs' Objections and Responses to Defendant Hitachi Ltd.'s First Request Set of Interrogatories to the Indirect Purchaser Plaintiffs, Attachment A, (2) the productions of documents and written discovery responses by the other defendants in this action, (3) the Indirect Purchaser Plaintiffs' Opposition to the Irico Defendants' Amended Motions to Dismiss Claims of Indirect Purchaser Plaintiffs For Lack of Subject Matter Jurisdiction (Fed. R. Civ. P. 12(b)(1)), ECF No. 5440 at 4-6, (4) the Declaration of Mario N. Alioto in Support of Indirect Purchaser Plaintiffs' Opposition to Irico Defendants' Amended Motion to Dismiss for Lack of Subject Matter Jurisdiction, ECF No. 5440-1, Exs. 1-39, and (5) Declaration of R. Alexander Saveri In Support of Direct Purchaser Plaintiffs' Opposition to Irico

Defendants' Motion to Set Aside Default, ECF No. 5226-1, Exs. 11-32 (identifying meetings attended by Irico personnel).

Pursuant to his obligations under Federal Rule of Civil Procedure 26(e), Plaintiff Painter will supplement his response to this Interrogatory at the appropriate time following completion of other fact discovery.

**INTERROGATORY NO. 13:**

Describe in detail and in narrative form (including by Identifying each Document, Person or other evidentiary source that You rely upon) the factual basis for your allegation that Irico Display Devices, Co., Ltd. was an active participant in the alleged conspiracy, or participated through Group, as alleged in paragraph 185 of the Complaint.

**RESPONSE NO. 13:**

*See Plaintiff Painter's Objections and Responses to Interrogatory No. 12.*

**INTERROGATORY NO. 14:**

Separately Identify each meeting or communication with a competitor or competitors not previously disclosed in Supplemented Attachment A to the Indirect Purchaser Plaintiffs' Objections and Responses to Defendant Koninklijke Philips N.V.'s First Set of Interrogatories to Indirect Purchaser Plaintiffs, dated September 5, 2014, including the Irico employee(s) associated with each meeting or communication, in which you contend Irico participated, as alleged in paragraph 185 of the Complaint.

**RESPONSE NO. 14:**

*See Plaintiff Painter's Objections and Responses to Interrogatory No. 12.*

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1 Dated: April 19, 2021

By: /s/ Mario N. Alioto

Mario N. Alioto (56433)  
Lauren C. Russell (241151)  
TRUMP, ALIOTO, TRUMP & PRESCOTT, LLP  
2280 Union Street  
San Francisco, CA 94123  
Telephone: (415) 563-7200  
Facsimile: (415) 346-0679  
malioto@tatp.com  
lauren russell@tatp.com

*Lead Counsel for the  
Indirect Purchaser Plaintiffs*

# **EXHIBIT 40**



**UNITED STATES DISTRICT COURT**  
**NORTHERN DISTRICT OF CALIFORNIA**  
**OAKLAND DIVISION**

IN RE: CATHODE RAY TUBE (CRT)  
ANTITRUST LITIGATION

Master File No. 4:07-cv-05944-JST  
MDL No. 1917

This Document Relates to:

Indirect-Purchaser Class Action

**DECLARATION OF  
CLASS REPRESENTATIVE  
GREGORY PAINTER**

1 I, GREGORY PAINTER, declare as follows:

2 I am the Nevada class representative in this action.

3  
4 1. I have personal knowledge of the matters set forth below, and if I was called  
5 to testify about these matters I could and would do so.

6 2. I purchased a 17-inch HP monitor on January 16, 2002 from Office Depot in  
7  
8 Carson City, Nevada.

9 3. I was a Nevada resident at the time I purchased the HP monitor.

10 4. I disposed of this HP monitor some time prior to joining this case as a  
11  
12 plaintiff in 2019.

13 5. In July 2023, I purchased the same HP Monitor with the same model  
14  
15 number, that was manufactured 3-4 months prior to my purchase date to analyze the  
16 cathode ray tube contained inside.

17 6. I removed the back cover from the HP monitor. The process of removing the  
18  
19 back cover did not require any specialized training or equipment and was quick and  
20  
21 straightforward. Once the back cover was removed, the cathode ray tube and the labels on  
22  
23 the tube were readily apparent to me and easy to see. I took pictures of the tube and the  
24 labels on the tube.

25 7. Attached to this Declaration as Exhibit A are photographs of the cathode ray  
26  
27 tube inside the monitor, which is the same make and model of monitor and the labels on  
28

1 that tube. The label shows that the tube inside the monitor was manufactured by  
2 defendant Chunghwa Picture Tubes.

3  
4 I declare under penalty of perjury under the laws of the state of Nevada that the  
5 statements in this Declaration are truthful and accurate.  
6

7  
8 Dated: July 25, 2023

9  
10 By:

11 *Gregory W. Painter*  
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# EXHIBIT A





BSI NO.  
7594

**CHUNGHWA**

EIA 577

M41AGE13X46

TL(U)

CPJ440AFAC1S-TC



LR31974

E59389



G07067

NO:

G1331124774

MADE IN  
MALAYSIA

Eigensichere Kathodenstrahlröhre nach Anlage III Röntgenverordnung.

**CAUTION:** HIGH-VACUUM PICTURE TUBE  
IS DANGEROUS TO HANDLE. REFER SERVICING  
TO QUALIFIED SERVICE PERSONNEL.

**X-RAY WARNING:** When picture tubes are  
operated at very high voltage and when  
personal exposure is prolonged at close  
range, special shielding precautions  
against x-ray radiation may be needed.

**WARNING:** THIS PICTURE TUBE EMPLOYS INTEGRAL IMPLOSION  
PROTECTION. REPLACE WITH A TUBE OF THE SAME TYPE NUMBER  
FOR CONTINUED SAFETY.

**AVERTISSEMENT :** CE TUBE CATHODIQUE EMPLOIE UNE PRO-  
TECTION D'IMPLOSION INTÉGRALE. REMPLACER PAR UN TUBE DU  
MÊME TYPE NUMÉRO POUR LA SÛRETÉ CONTINUE.

D1704 M





# **EXHIBIT 41**



**COSTCO WHOLESALE**  
 QUEENS #213  
 MEMBER #01530330000 *led*  
 77527 TOSHIBA 20" 299.99  
 60422 DOLL SET 37.99 T  
 795116 GLAMOUR CASE 19.99 T  
 946 GODIVA BOX 13.99 T  
 8.625% TAX RATE 32.08  
 TOTAL 404.04  
 VISA AmeriLox Express 404.04  
 XXXXXXXXXXXX1007 03/08 SHIPPED  
 Serial: 000043 Ref: 523500  
 American Express Resp. #4  
 APPROVED  
 AMOUNT: \$404.04  
 0243-014-000000026 0085  
 CHANGE 0.00  
 TOTAL NUMBER OF ITEMS 5000  
 Executive Member: [illegible]  
 APPROX. 10% OFF EACH PURCHASE  
 ON ALL VISA OR M.C. PURCHASES  
 IF YOU HAVE A PURCHASE OF \$100.00  
 OR MORE, YOU WILL RECEIVE A 10%  
 DISCOUNT ON YOUR PURCHASE

**EXHIBIT**  
 382  
 10/15/12 *W*



Exhibit No. 383  
Lorraine B. Abate, CSR, RPR, CLR  
10/15/12 *MA*

COSTCO WHOLESALE  
\*\*\*\*\*  
MEMBER ID: 00000000000000000000 *led*  
72211105HID032014 299.99 T  
854122 DOLL 37.99 T  
795116 BLUMONT 19.99 T  
  
946 GODIVA BOX 13.99 T  
  
\*\*\*\* 8.625% TAX RATE 32.08  
TOTAL 404.04  
VF 404.04  
XXXXXXXXXXXX1007 05/08 SHIPPED  
CASHIER: 00047 12/29/00  
CASHIER: 00047 12/29/00  
APPROVED  
AMOUNT: \$404.04  
0.43 014 0006000026 0085  
CHANGE 00  
TOTAL NUMBER OF ITEMS SOLD  
Executive Members receive  
approximately 2% back annually  
up to \$400 or \$7.43 per this purchase  
If 400 has not been reached for a list  
of exclusions, stop by the membership  
counter for information  
CASHIER: NORMA 12/29/00 REG# 14  
11/21/2004 12:35:02 13 14 0085 26  
Online Shopping: www.COSTCO.COM  
Member Service: 1-800-774-2678  
Thank You!  
Come Again

----- Produced on 9/17/12 -----

**SAMSUNG EXHIBIT B33**

**PLAINTIFF LAWYER'S CHOICE SUITES, INC.**

1. **CRT PRODUCT:** Dell 17 inch E773 Conventional CRT Monitor
2. **DATE OF PURCHASE:** 3/20/06
3. **LOCATION of PURCHASE:** Purchased online at Dell.com
4. **PERSONS INVOLVED IN PURCHASE:** Alvin Guttman
5. **PRICE:** \$777
6. **TAXES/FEES:** \$70.06
7. **BUNDLE:** Purchased as part of a Dell Dimension 1100 bundle
8. **WARRANTIES:** None other than any standard manufacturers' warranties.
9. **PURPOSE of PURCHASE:** Use within business and not for resale.

See also CRT000907-911.

Exhibit No. 391  
Lorraine B. Abate, CSR, RPR, CLR  
10/15/12 *[Signature]*

Produced on 9/17/12

**SAMSUNG EXHIBIT B34**

**PLAINTIFF DAVID ROOKS**

1. **CRT PRODUCT:** Panasonic Television Model # CT 36HX41
2. **DATE OF PURCHASE:** 9/1/01
3. **LOCATION of PURCHASE:** Circuit City, Daytona Beach, Florida
4. **PERSONS INVOLVED IN PURCHASE:** David Rooks (plaintiff)
5. **PRICE:** \$2,099.99
6. **TAXES/FEES:** The standard sales tax was applied to the purchase of the television.
7. **BUNDLE:** Not purchased as part of a bundle or system.
8. **WARRANTIES:** An extended service contract was purchased for \$359.99.
9. **PURPOSE of PURCHASE:** Personal use.

See also CRT000912-914.

Produced on 9/17/12

**SAMSUNG EXHIBIT B35**

**PLAINTIFF PATRICIA ANDREWS**

1. **CRT PRODUCT:** Toshiba Television Model # 27A32; Serial Number 4982370607A
2. **DATE OF PURCHASE:** 2/15/03
3. **LOCATION of PURCHASE:** Best Buy, Hickory, North Carolina
4. **PERSONS INVOLVED IN PURCHASES:** Patricia Andrews (plaintiff)
5. **PRICE:** \$249.99
6. **TAXES/FEES:** The standard sales tax was applied to the purchase of the television.
7. **BUNDLE:** The television was not purchased as part of a bundle or system.
8. **WARRANTIES:** None other than any standard manufacturers' warranties.
9. **PURPOSE of PURCHASE:** Personal use.

See also CRT000766-851.



Produced on 9/17/12

**SAMSUNG EXHIBIT B36**

**PLAINTIFF MISTI WALKER**

1. **CRT PRODUCT:** Philips Television
2. **DATE OF PURCHASE:** 1/19/02
3. **LOCATION of PURCHASE:** Best Buy, Omaha, Nebraska
4. **PERSONS INVOLVED IN PURCHASES:** Misti Walker (plaintiff)
5. **PRICE:** \$329.96
6. **TAXES/FEES:** \$21.45
7. **BUNDLE:** The television was not purchased as part of a bundle or system.
8. **WARRANTIES:** None other than any standard manufacturers' warranties.
9. **PURPOSE of PURCHASE:** Personal use.

See also CRT000917-918 and CRT000920-922.

Produced on 9/17/12

**SAMSUNG EXHIBIT B37**

**PLAINTIFF LOUISE WOOD**

1. **CRT PRODUCT:** Toshiba Television Model # 32A14
2. **DATE OF PURCHASE:** 11/21/04
3. **LOCATION of PURCHASE:** Costco, Queens, New York
4. **PERSONS INVOLVED IN PURCHASE:** Louise Wood (plaintiff)
5. **PRICE:** \$299.99
6. **TAXES/FEES:** The standard sales tax was applied to the purchase of the television.
7. **BUNDLE:** The television was not purchased as part of a bundle or system.
8. **WARRANTIES:** None other than any standard manufacturers' warranties.
9. **PURPOSE of PURCHASE:** Personal use.

See also CRT000919.

Produced on 9/17/12

**SAMSUNG EXHIBIT B38**

**PLAINTIFF GLORIA COMEAUX**

1. **CRT PRODUCT:** Sanyo Television Model # 0531590
2. **DATE OF PURCHASE:** Approximately 2002
3. **LOCATION of PURCHASE:** Wal-Mart, Las Vegas, NV
4. **PERSONS INVOLVED IN PURCHASE:** Gloria Comeaux (plaintiff)
5. **PRICE:** Approximately \$250.00
6. **TAXES/FEES:** The standard sales tax was applied to the purchase of the television.
7. **BUNDLE:** The television was not purchased as part of a bundle or system.
8. **WARRANTIES:** None other than any standard manufacturers' warranties.
9. **PURPOSE of PURCHASE:** Personal use.

See also CRT000852-853.

Produced on 9/17/12

**SAMSUNG EXHIBIT B39**

**PLAINTIFF JEFFREY SPEAECT**

1. **CRT PRODUCT:** Toshiba Television Model # MD24FP1
2. **DATE OF PURCHASE:** Approximately 2004
3. **LOCATION of PURCHASE:** Wal-Mart, Pierre, South Dakota
4. **PERSONS INVOLVED IN PURCHASE:** Jeffrey Speaect (plaintiff)
5. **PRICE:** Between \$250.00 and \$300.00
6. **TAXES/FEES:** The standard sales tax was applied to the purchase of the television.
7. **BUNDLE:** The television was not purchased as part of a bundle or system.
8. **WARRANTIES:** None other than any standard manufacturers' warranties.
9. **PURPOSE of PURCHASE:** Personal use.

See also CRT000915-916.



Produced on 9/17/12

**SAMSUNG EXHIBIT A40**

**PLAINTIFF STEVEN FINK**

1. **CRT PRODUCT:** Toshiba Television Model # 32AF53
2. **DATE OF PURCHASE:** 3/14/04
3. **LOCATION of PURCHASE:** Nebraska Furniture Mart, Omaha, Nebraska
4. **PERSONS INVOLVED IN PURCHASE:** Steven Fink
5. **PRICE:** \$639.99
6. **TAXES/FEES:** The standard sales tax was applied to the purchase of the television.
7. **BUNDLE:** The television was not purchased as part of a bundle or system.
8. **WARRANTIES:** None other than any standard manufacturers' warranties.
9. **PURPOSE of PURCHASE:** Personal use.

See also CRT000854-906.

# **EXHIBIT 42**

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UNITED STATES DISTRICT COURT  
NORTHERN DISTRICT OF CALIFORNIA  
(SAN FRANCISCO DIVISION)

- - - - -

IN RE: CATHODE RAY TUBE (CRT)  
ANTITRUST LITIGATION

Case No.  
07-5944 SC  
MDL No. 1917

- - - - -

This Document Relates to:  
INDIRECT PURCHASER ACTIONS

- - - - -

SUPERIOR COURT OF CALIFORNIA  
CITY AND COUNTY OF SAN FRANCISCO

- - - - -

STATE OF CALIFORNIA,  
Plaintiffs

vs.

Case No.  
CGC-11-51584

SAMSUNG SDI, INC., CO., LTD., et al.,  
Defendants.

- - - - -

1  
2 VIDEOTAPED TRANSCRIPT of LOUISE WOOD in  
3 the above-entitled matter, as taken by and before  
4 LORRAINE B. ABATE, a Certified Shorthand Reporter and  
5 Notary Public of the State of New York and Registered  
6 Professional Reporter, held at the offices of Weil  
7 Gotshal & Manges 767 5th Avenue, New York, New York,  
8 on October 15, 2012, commencing at 10:18 a.m.,  
9 pursuant to Notice.  
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1 Wood - October 15, 2012

2 THE VIDEOGRAPHER: Good morning. We're  
3 now on the record. My name is James Roberts here  
4 with Barkley Court Reporting with offices in Los  
5 Angeles, California. Today's date is October 15,  
6 2012. The time is approximately 10:18 a.m. This  
7 deposition is being held in the offices of Weil  
8 Gotshal & Manges located at 767 Fifth Avenue, New  
9 York City, New York.

10 The caption of the case is In Re:  
11 Cathode Ray Tube Antitrust Litigation in the U.S.  
12 District Court, Northern District of California, San  
13 Francisco division. The name of the witness is  
14 Louise Wood.

15 At this time, attorneys will please  
16 state their appearances for the record.

17 MR. GOLDSTEIN: This is Kevin Goldstein  
18 of Weil Gotshal & Manges on behalf of the  
19 Panasonic defendants.

20 There are also attending, we have  
21 Mr. Hosokawa, Mr. Oku and Mr. Nakayama who are  
22 law clerks with Weil Gotshal.

23 MR. GRALEWSKI: Bob Gralewski, Kirby &  
24 McInerney on behalf of the witness and the  
25 class, and if we could have the telephone

1 Wood - October 15, 2012

2 appearances, too.

3 MR. MALAISE: This is Charles Malaise on  
4 behalf of the Philip defendants.

5 MS. BYRD: This is Courtney Byrd,  
6 O'Melveney & Myers, on behalf of the SEC and  
7 SEA.

8 MR. FRUTIG: This is Matt Frutig from  
9 White & Case on behalf of the entity.

10 THE VIDEOGRAPHER: The court reporter is  
11 Lorraine Abate, also of Barkley Court Reporting.  
12 Please swear in the witness.

13 L O U I S E W O O D,

14 Having been first duly sworn by a Notary  
15 Public of the State of New York, was  
16 examined and testified as follows:

17 EXAMINATION BY

18 MS. GOLDSTEIN:

19 Q. Good morning, Ms. Wood.

20 A. Good morning.

21 Q. As I said a moment ago, I'm Kevin  
22 Goldstein of Weil Gotshal. I represent the Panasonic  
23 defendants in this case.

24 Before we begin any questions, I would  
25 like to just explain the rules for a deposition.

1 Wood - October 15, 2012

2 Have you ever been deposed before?

3 A. No.

4 Q. Okay. Do you understand that you are  
5 testifying under oath today?

6 A. I do.

7 Q. Is there any reason you cannot testify  
8 fully and truthfully today?

9 A. No.

10 Q. Are you represented by counsel?

11 A. Yes.

12 Q. Is that Mr. Gralewski next to you?

13 A. Yes.

14 Q. So during the deposition today, your  
15 attorney may object to certain questions I ask. If  
16 he does that, unless he specifically instructs you  
17 not to answer, you still need to answer my questions  
18 today.

19 MR. GRALEWSKI: She'll answer your  
20 question if she understands your question. And  
21 if she doesn't, she'll tell you she doesn't  
22 understand.

23 MR. GOLDSTEIN: That was my next point.

24 Q. If you don't understand, please ask me  
25 to rephrase.

1 Wood - October 15, 2012

2 Please let me finish my question. You  
3 may know where I'm going with the question, but so  
4 that we're not talking over each other, just let me  
5 finish my questions and let Mr. Gralewski finish any  
6 objections he may have before answering.

7 We'll take breaks throughout today's  
8 deposition. If you need to take a break, please let  
9 me know. However, if there is a question pending,  
10 I'll ask that you finish and answer the question  
11 before we take a break.

12 The only other rule is that you know, as  
13 you can see, while we do have a videotape, we also  
14 have the court reporter here, so please answer  
15 audibly. Don't just nod your head yes or no for  
16 questions.

17 A. I understand.

18 Q. Okay. Any questions?

19 A. No.

20 Q. Okay. Ms. Wood, can you tell me your  
21 age and date of birth.

22 A. I am 60 years old. My date of birth is  
23 August 29, 1952.

24 Q. And what is your current address?

25 A. My address is 301 East 47th Street, New



1 Wood - October 15, 2012

2 York, New York 10017.

3 Q. How long have you lived at that address?

4 A. I've lived there for 19 years.

5 Q. For 19 years.

6 Is that your primary home?

7 A. Yes.

8 Q. Do you have any other homes?

9 A. No.

10 Q. Do you live with anyone?

11 A. No.

12 Q. Are you married?

13 A. No.

14 Q. Have you ever been married?

15 A. No.

16 Q. Have you -- are you registered to vote

17 in New York?

18 A. Yes.

19 Q. Do you own any vehicles?

20 A. No.

21 Q. Do you have a driver's license?

22 A. Yes.

23 Q. You have a New York license?

24 A. Yes.

25 Q. Do you earn income anywhere outside of

1 Wood - October 15, 2012

2 New York?

3 A. No.

4 Q. Do you pay taxes to any state other than

5 New York?

6 A. No.

7 Q. Ms. Wood, did you graduate high school?

8 A. Yes.

9 Q. Did you attend college?

10 A. Yes.

11 Q. Where was that?

12 A. State University of New York at Stony

13 Brook.

14 Q. Do you own any degrees?

15 A. Yes.

16 Q. And what is that?

17 A. Bachelors degree.

18 Q. Did you do any post graduate education?

19 A. Yes.

20 Q. Where was that?

21 A. Fordham University.

22 Q. And what did you study?

23 A. An M -- I earned an MBA.

24 Q. When was that?

25 A. 1985.

1 Wood - October 15, 2012

2 Q. Do you have any other degrees other than  
3 the bachelors and the MBA?

4 A. No.

5 Q. Are you currently employed?

6 A. Yes.

7 Q. By whom?

8 A. MetLife.

9 Q. What's your business address with  
10 MetLife?

11 A. My business address is in Long Island  
12 City. I don't know the exact address --

13 Q. Okay.

14 A. -- to be honest with you.

15 Q. Do you work out of any other offices?

16 A. I do.

17 Q. Which offices are they?

18 A. 1095 Sixth Avenue, New York, New York.

19 Q. And anywhere else?

20 A. No.

21 Q. How long have you worked at MetLife?

22 A. Ten months.

23 Q. Ten months. Okay.

24 Where did you work prior to that?

25 A. I worked for Black Rock.

1 Wood - October 15, 2012

2 Q. How long did you work at Black Rock?

3 A. Six months.

4 Q. Six months.

5 Where did you work for Black Rock?

6 A. East 51st Street.

7 Q. In New York City?

8 A. New York, New York.

9 Q. Prior to Black Rock, where were you  
10 employed?

11 A. Marsh & McLennan.

12 Q. And how long were you employed there?

13 A. 18 months.

14 Q. Okay. And where did you work at that  
15 company?

16 A. 45th and Sixth Avenue.

17 Q. In New York City?

18 A. In New York City.

19 Q. So we'll start using some dates here to  
20 keep track.

21 I'm sorry, can you give me that  
22 employer's name again.

23 A. The last employer, the one we just  
24 described?

25 Q. Yes.

1 Wood - October 15, 2012

2 A. Marsh & McLennan.

3 Q. When did you start working with them?

4 A. October 2009.

5 Q. Okay. And prior to that, where were you  
6 employed?

7 A. CitiGroup.

8 Q. Okay. How long did you work with  
9 CitiGroup?

10 A. Almost nine years.

11 Q. And where was your office with  
12 CitiGroup?

13 A. 425 Park Avenue.

14 Q. In New York City?

15 A. New York, New York.

16 Q. Okay. Were you at that office for all  
17 nine years?

18 A. No.

19 Q. Which other offices were you at?

20 A. 111 Wall Street and 850 Third Avenue.

21 Q. Both in New York City?

22 A. Both in New York City.

23 Q. Okay. So let's go back to CitiGroup and  
24 then work forward from there.

25 A. Okay.



1 Wood - October 15, 2012

2 Q. At CitiGroup, what was the nature of  
3 your position?

4 A. I was a senior vice-president, a senior  
5 human resource generalist.

6 Q. So were all of your responsibilities in  
7 the human resources area?

8 A. Correct.

9 Q. And you went to Marsh & McLennan.

10 A. I was a vice-president in recruiting.

11 Q. In recruiting. Okay.

12 And then at Black Rock?

13 A. I was a director of recruiting.

14 Q. And at MetLife are you --

15 A. I'm a director of recruiting.

16 Q. Okay. In your recruits and HR  
17 positions, have you ever had any contact with any  
18 entities that manufacture or sell cathode ray tubes?

19 A. No.

20 Q. Have you ever had any contact with  
21 entities that manufacture or sell televisions or  
22 computer monitors that contain cathode ray tubes?

23 A. No.

24 Q. Have you ever hired an employee from one  
25 of the defendants in this case?

1 Wood - October 15, 2012

2 A. No.

3 Q. That's true at all of your positions; to  
4 the best of your knowledge, or at least the ones  
5 we've discussed going back to CitiGroup?

6 A. Correct.

7 Q. Outside of MetLife currently, do you  
8 have any other employment?

9 A. No.

10 Q. During the roughly 11-year period we  
11 discussed, did you have any other employment?

12 A. No.

13 Q. Sorry. Let me go back a little bit  
14 farther than CitiGroup.

15 Where were you before CitiGroup?

16 A. I worked for a company called Tac  
17 Worldwide.

18 Q. Tac?

19 A. T-A-C Worldwide.

20 Q. And how long did you work there?

21 A. Two years.

22 Q. Two years. So was that --

23 A. That was from '98 to 2000.

24 Q. And what was your position at Tac  
25 Worldwide?

1 Wood - October 15, 2012

2 A. I was a program manager.

3 Q. What did you do as a program manager?

4 A. I was in recruiting.

5 Q. And prior to Tac Worldwide?

6 A. I had my own firm.

7 Q. Okay. How long did you have that?

8 A. Seven years.

9 Q. Seven years.

10 And what was the name of your firm?

11 A. Louise Wood & Associates.

12 Q. And what sort of business did Louise

13 Wood & Associates engage in?

14 A. Executive recruiting.

15 Q. In either of those two positions at Tac  
16 Worldwide or with your own firm, did you ever hire  
17 any individuals from any of the defendant companies  
18 in this case?

19 A. No.

20 Q. Have you ever been a member of a trade  
21 association?

22 A. Yes.

23 Q. Which associations?

24 A. The Direct Marketing Association.

25 Q. What --

1 Wood - October 15, 2012

2 A. Honestly, I don't know if it is a trade  
3 association, but I think it is.

4 Q. And what sort of -- what are the members  
5 of the direct marketing association?

6 A. People who work in the direct marketing  
7 industry.

8 Q. Did you work in the direct market  
9 industry?

10 A. Yes. I recruited in the direct  
11 marketing industry.

12 Q. Okay. So just to recap, have you ever  
13 worked for a company that was involved in the cathode  
14 ray tube or television and monitor business?

15 A. No.

16 Q. Since 1995, have you held stock in any  
17 of the defendant companies in this case?

18 A. No.

19 Q. Since 1995, have you held stock in any  
20 company that manufactures, buys or sells or  
21 distributes, cathode ray tubes or cathode ray tube  
22 products?

23 A. Not that I'm aware.

24 MR. GOLDSTEIN: I'm going to ask the  
25 court reporter to mark as Exhibit 381 the

1 Wood - October 15, 2012

2 deposition notice for today.

3 (Exhibit 381, Notice of Deposition,  
4 marked for identification, as of this date.)

5 Q. Ms. Wood, please take a second to look  
6 it over.

7 A. Okay.

8 Q. Do you recognize Exhibit 381?

9 A. Yes.

10 Q. Can you identify it, please.

11 A. Notice of deposition.

12 Q. When did you first see this document?

13 A. The beginning of this month.

14 Q. How did you receive the document?

15 A. Electronically.

16 Q. From whom?

17 A. From my lawyer.

18 Q. Is that from Mr. Gralewski?

19 A. Yes.

20 Q. Did you discuss the notice with  
21 Mr. Gralewski?

22 MR. GRALEWSKI: You can answer that  
23 question yes or no, but you cannot disclose the  
24 substance of anything that we talked about, if  
25 indeed, we did talk about the notice.



1 Wood - October 15, 2012

2 Do you understand?

3 THE WITNESS: Yes.

4 A. Can you repeat the question, please.

5 Q. Did you discuss the notice with  
6 Mr. Gralewski?

7 A. Yes.

8 Q. You said earlier that you have never  
9 been deposed before.

10 A. Yes.

11 Q. Have you ever testified at all in any  
12 trial or administrative proceeding?

13 A. No.

14 Q. And you understand that you're  
15 testifying today pursuant to this notice?

16 A. Correct.

17 Q. Ms. Wood, in your own words, can you  
18 describe the claim that you're making in this case.

19 A. The claim is about the over charges and  
20 price fixing of CRTs that were inserted into  
21 televisions and computer monitors.

22 Q. And by CRTs --

23 A. Cathode ray tubes.

24 Q. Cathode ray tubes?

25 A. Right.

1 Wood - October 15, 2012

2 Q. I'll agree that we can say CRT  
3 throughout the deposition today.

4 A. Okay.

5 Q. You mentioned televisions and computer  
6 monitors.

7 A. Correct.

8 Q. Are there other products that contain  
9 CRTs?

10 A. Yes.

11 Q. What are those?

12 A. I honestly -- I believe there are. I  
13 don't know what they are.

14 Q. Are your claims based on any products  
15 other than TVs or monitors?

16 A. No.

17 Q. Are your claims based on, in this case,  
18 based on anything other than televisions or computer  
19 monitors?

20 A. No.

21 Q. Okay. So throughout this deposition, if  
22 I refer to CRT products, I'm talking about  
23 televisions or computer monitors that contain CRTs  
24 unless I specify one or the other.

25 Have you ever purchased a CRT standing

1 Wood - October 15, 2012

2 alone?

3 A. No.

4 Q. Can you list for me the CRT products  
5 that you purchased during the period March 1st, 1995  
6 through November 25, 2007.

7 A. I purchased a Toshiba television set.

8 Q. Is that the only CRT product you  
9 purchased during that time period?

10 A. That's the only one that I'm aware of.

11 Q. Okay. Do you think there could be some  
12 that you're not aware of?

13 A. I don't believe so.

14 Q. So you didn't purchase any computer  
15 monitors during that time period?

16 MR. GRALEWSKI: Object to the form.

17 Vague and ambiguous.

18 Q. During the time period March 1st, 1995  
19 through November 25, 2007, which I'll call the  
20 relevant time period during the deposition, did you  
21 purchase any computer monitors?

22 MR. GRALEWSKI: Object to the form.

23 Vague and ambiguous. You can answer.

24 A. I did.

25 Q. Did you purchase any computer monitors

1 Wood - October 15, 2012

2 that contained a CRT during the relevant time period?

3 A. I don't believe so.

4 Q. How many computer monitors did you  
5 purchase during that time period?

6 A. Two.

7 Q. Two. Can you describe those. Who made  
8 the monitors?

9 A. They were Dell products.

10 Q. When did you first purchase the first  
11 one?

12 A. I don't remember.

13 Q. If you had to guess, we can -- we'll  
14 acknowledge it's a guess or approximation.

15 A. 2000.

16 MR. GRALEWSKI: Hold on a second.

17 Object to the form. Calls for speculation,  
18 vague and ambiguous, argumentative. You can  
19 answer.

20 Q. And when did you purchase the second  
21 monitor?

22 MR. GRALEWSKI: Same objections.

23 A. 2005.

24 Q. Do you know what type of display  
25 technology these monitors used?

1 Wood - October 15, 2012

2 A. No.

3 Q. For the monitor purchased around 2000,  
4 why do you think it wasn't a CRT monitor?

5 MR. GRALEWSKI: Object to the form.

6 Lacks foundation, misstates testimony, calls for  
7 speculation. You can answer.

8 A. It was a small screen.

9 Q. When you say small, do you mean small in  
10 diagonal as in you have a 9-inch screen or --

11 A. It was a 14-inch screen. But for the  
12 weight and the size, it seemed small.

13 Q. Was it an LCD monitor?

14 A. I don't know.

15 Q. Approximately how thick is the monitor?

16 A. I don't have it in my possession.

17 Q. You say you don't have it in your  
18 possession or you no longer own it?

19 A. I no longer own it.

20 Q. You're not asserting any claims in this  
21 case based on that purchase?

22 A. No, I'm not.

23 Q. For the monitor purchased around 2005,  
24 was that an LCD monitor?

25 A. I don't know.



1 Wood - October 15, 2012

2 Q. What size screen did that monitor have?

3 A. Small screen.

4 Q. Can you -- are you able to approximate  
5 how many inches?

6 A. 14 inches.

7 Q. Are you able to approximate how thick  
8 the screen is?

9 A. I don't own it.

10 Q. And you're not asserting any claims  
11 based on the monitor purchased around 2005?

12 A. I am not.

13 Q. Do you think the monitor purchased in  
14 2005 contained a CRT?

15 A. I don't know.

16 Q. So for your -- start again.

17 Your Toshiba television you mentioned  
18 earlier, does that TV contain a CRT?

19 A. Yes.

20 Q. How do you know it contains a CRT?

21 A. Given the size and weight and  
22 dimensions.

23 Q. So you're confident based on the size  
24 that it contains a CRT?

25 A. Yes.

1 Wood - October 15, 2012

2 Q. And for the two computer monitors, how  
3 do you know they do not contain a CRT?

4 MR. GRALEWSKI: Object to the form.

5 Misstates testimony, asked and answered.

6 A. I don't know.

7 Q. I believe you said earlier, and I don't  
8 want to misquote you, that it was because the size of  
9 the monitors led you to think that they did not  
10 contain a CRT?

11 A. Yes.

12 Q. So is your testimony that you are  
13 certain the Toshiba television contains a CRT because  
14 it is large, but you do not know if the monitors  
15 contained a CRT at all?

16 MR. GRALEWSKI: Object to the form.

17 Vague and ambiguous, compound.

18 MR. FRUTIG: This is Matt from White and  
19 Case, and I object to the form of the question,  
20 vague and ambiguous as to Toshiba.

21 A. Can you please repeat the question.

22 Q. So is your testimony that you are  
23 certain your Toshiba television contains a CRT?

24 A. Yes.

25 Q. And is that -- is your certainty based

1 Wood - October 15, 2012

2 solely on the fact that the TV is large, in your  
3 judgment?

4 A. The size and the weight.

5 Q. Based on the size and weight of the  
6 monitors, can you make any judgments about whether  
7 they contain a CRT?

8 MR. GRALEWSKI: I object to the form.

9 Asked and answered, lacks foundation, misstates  
10 testimony.

11 A. I cannot.

12 Q. When you purchased the two -- well, when  
13 you purchased the computer monitor around 2000, was  
14 the -- what were the factors that led you to purchase  
15 that particular monitor?

16 MR. GRALEWSKI: Object to the form.

17 Misstates testimony, lacks foundation.

18 A. It was part of a bundle.

19 Q. With what was it bundled?

20 A. With a desktop.

21 Q. Desktop computer?

22 A. Yes.

23 Q. Was the bundle all purchased from Dell?

24 A. Yes.

25 Q. When you selected the computer package

1 Wood - October 15, 2012

2 from Dell, did you have a choice in monitors that  
3 came with the bundle?

4 A. I don't remember.

5 Q. For the monitor purchased around 2005,  
6 was that also purchased as part of a bundle?

7 A. Yes.

8 Q. Was that also from Dell?

9 A. Yes.

10 Q. When you purchased that bundle, did you  
11 have the choice as to the computer monitor?

12 A. I don't remember.

13 Q. When you purchased the bundle in around  
14 2000, was it important to you that the -- was the  
15 computer monitor an important feature for you?

16 MR. GRALEWSKI: Object to the form.

17 Vague and ambiguous, lacks foundation, misstates  
18 testimony.

19 A. I don't remember.

20 Q. Did you consider buying a stand alone  
21 computer and then a monitor separately?

22 A. No.

23 Q. So was it important to have a bundle?

24 A. Maybe.

25 Q. Was it your preference to purchase your

1 Wood - October 15, 2012

2 computer monitor as a bundle instead of separately?

3 A. Yes.

4 Q. When you purchased the computer bundle  
5 around 2005, did you consider buying a separate  
6 computer CPU and separate monitor?

7 A. No.

8 Q. And why was that?

9 A. It was easier to buy them together.

10 Q. Were the features of the computer  
11 monitor and bundle important to you in that purchase  
12 decision?

13 A. I don't remember.

14 Q. Going back to the Toshiba television we  
15 mentioned before, is that the only product for which  
16 you're claiming damages in this case?

17 A. Yes.

18 MR. GRALEWSKI: Objection to the form.  
19 Asked and answered.

20 MR. FRUTIG: I have to also state an  
21 objection, vague and ambiguous as to Toshiba.

22 Q. Do you still own the television that's  
23 the basis for your claim?

24 A. No, I do not.

25 Q. When did you buy the television?

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2 A. November 2004.

3 Q. When did you cease to own the Toshiba  
4 television?

5 A. 2009.

6 MR. FRUTIG: Objection. Vague and  
7 ambiguous as to Toshiba. This is Matt from  
8 White & Case.

9 MR. GOLDSTEIN: Matt, what can I do to  
10 have -- to make that better for you or to just  
11 leave that as a standing objection?

12 MR. FRUTIG: Let's just leave that as a  
13 standing objection.

14 MR. GOLDSTEIN: Okay.

15 MR. GRALEWSKI: What is the standing  
16 objection to?

17 MR. FRUTIG: Because there are various  
18 Toshiba entities named. Without one particular  
19 being named, the question is vague and  
20 ambiguous.

21 MR. GRALEWSKI: I mean, I got the gist  
22 of that, but I mean, what -- so any time the  
23 word Toshiba is used in his questions, you have  
24 a standing objection to it? Is that the -- I  
25 just want to clarify what you're objecting to.



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2 MR. FRUTIG: Yes, unless the specific  
3 entity, one of the named entities, is --  
4 specifically named Toshiba, is just used,  
5 generally there is a standing objection as to  
6 vague and ambiguous.

7 MR. GRALEWSKI: Fine. I just wanted to  
8 clarify for the record.

9 MR. GOLDSTEIN: Okay.

10 BY MR. GOLDSTEIN:

11 Q. So Ms. Wood, you said you ceased to own  
12 your Toshiba television in 2009?

13 A. Yes.

14 Q. How did you dispose of the television or  
15 how did it leave your possession?

16 A. Two men carried it out of my apartment.

17 Q. Why did those two men carry it out of  
18 your apartment?

19 A. Because it was too heavy for one person  
20 to lift.

21 Q. Did you sell the television?

22 A. I did not.

23 Q. Did you donate the television?

24 A. No.

25 Q. Did you throw the television in the

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2 garbage?

3 A. Yes.

4 Q. Why did you throw the television in the  
5 garbage?

6 A. I purchased a new television set.

7 Q. Was that in 2009?

8 A. Correct.

9 Q. And what kind of television was that?

10 A. A Samsung.

11 Q. Samsung.

12 What size is that television?

13 A. 32 inches.

14 Q. Is that a CRT television?

15 A. No, it is not.

16 Q. What do you think the size --

17 A. It may be -- I'm sorry, it may be a  
18 37-inch.

19 Q. It's not a CRT television. Is it an LCD  
20 television?

21 A. No. It's a flat screen.

22 Q. It's a flat screen.

23 Do you know if it uses plasma  
24 technology?

25 A. I do not believe so.

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2 Q. Do you know if it uses LED technology?

3 A. I do not know.

4 Q. So other than that fact that the TV is  
5 flat, do you know what the display technology is?

6 A. No, I do not.

7 Q. Approximately how thick is the new  
8 television?

9 A. Thick? Maybe an inch.

10 Q. And approximately how -- approximately  
11 what are the dimensions of the Toshiba television on  
12 which you base your claim?

13 A. It was 32 inches in terms of the screen.  
14 And it was very deep and wide. I would say maybe 32  
15 inches deep.

16 Q. Have you taken any photographs of the  
17 Toshiba TV?

18 A. No.

19 Q. What sort of features did the Toshiba TV  
20 have?

21 A. It had a remote. Standard features.

22 Q. What does standard features mean to you?

23 A. I'm not sure what features means.

24 Q. Did the television have picture in  
25 picture?

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2 A. Picture in picture? What is that,  
3 picture in picture?

4 Q. Picture in picture. Are you familiar  
5 with what that means?

6 A. I am familiar. I do not believe so.

7 Q. Did it have a built-in VCR?

8 A. No, it did not.

9 Q. Did it have a built-in DVD player?

10 A. No, it did not.

11 Q. Do you know if it had mono or digital  
12 audio?

13 A. I don't remember.

14 Q. Do you know if it had a digital or  
15 analog picture?

16 A. I do not.

17 Q. Did it have a curved, rounded screen or  
18 a flat screen?

19 A. We're talking about the Toshiba now,  
20 correct?

21 I don't -- I don't remember.

22 Q. Do you know the model of the TV, the  
23 Toshiba TV?

24 A. No, I do not. It's a 32-inch Toshiba.  
25 That's all I know.

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2 Q. Is there anything that could refresh  
3 your recollection as to the model number?

4 A. Such as?

5 Q. Is there anything you can think of that  
6 would --

7 A. I believe I signed a verification which  
8 may have had the model number on it, but I do not  
9 have that committed to memory.

10 Q. Okay. How did you figure out the model  
11 number to include in the verification?

12 A. It may have been on the receipt.

13 MR. GOLDSTEIN: I would ask the reporter  
14 to mark as 382 a copy of a receipt from Costco.

15 (Exhibit 382, Copy of Receipt, marked  
16 for identification, as of this date.)

17 MR. GRALEWSKI: Counsel, this is a copy  
18 of Ms. Wood's receipt that we produced to you.  
19 I also have with me the original today.

20 MR. GOLDSTEIN: Okay.

21 MR. GRALEWSKI: Because as you'll see,  
22 if you want to, the original is severely faded.  
23 This is the best copy we could make. But there  
24 are some things on the original that you can't  
25 make out on the copy. So to the extent you want

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2 it.

3 MR. GOLDSTEIN: Yeah. I would be happy  
4 to take a look at that.

5 MR. GRALEWSKI: So let the record  
6 reflect that I'm going to hand you a copy of the  
7 original receipt, which is the original of  
8 Exhibit 382. And I would like it back today.

9 MR. GOLDSTEIN: Okay. I note that it  
10 seems that the copy that was provided cut off a  
11 little bit on the bottom of the receipt. Before  
12 I give it back to you today, if possible, I  
13 would like to try and make another copy  
14 available.

15 MR. GRALEWSKI: Absolutely. I think  
16 that what you'll find is of particular  
17 pertinence is the fact that on the original, you  
18 can make out the date --

19 MR. GOLDSTEIN: Yes.

20 MR. GRALEWSKI: -- of the purchase.

21 MR. GOLDSTEIN: Yeah.

22 Q. Ms. Wood, do you recognize Exhibit 382?

23 A. I do.

24 Q. And is that the receipt you mentioned a  
25 moment ago?



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2 A. It is.

3 Q. So I was just discussing with

4 Mr. Gralewski, does this receipt indicate the date of  
5 your purchase?

6 A. It does.

7 Q. And what does it say?

8 A. I believe it says November 21st, 2004.

9 Q. Other than the slight fading I was  
10 discussing with Mr. Gralewski, is Exhibit 382 a fair  
11 and accurate representation of the original receipt?

12 A. It is.

13 Q. It's not been modified in any way?

14 A. No.

15 Q. Does the receipt indicate the -- it says  
16 the model number for the television.

17 A. It says 32 A14.

18 Q. And next to it it says \$299.99.

19 Is that the purchase price for the  
20 Toshiba television?

21 A. It is.

22 Q. Does it say anywhere on here that the  
23 Toshiba product is a television?

24 A. No, it does not.

25 Q. How do you know it's the television?

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2 A. Because that's the receipt from the  
3 purchase of the television that I made.

4 Q. Did you purchase any other Toshiba  
5 products around that time period?

6 A. No, I did not.

7 Q. Does it say on here anywhere that it  
8 says CRT television?

9 A. It does not.

10 Q. Does anything on the receipt indicate  
11 that the Toshiba television contains a CRT?

12 A. No.

13 Q. What form of payment did you use to  
14 purchase the television?

15 A. American Express.

16 Q. Was that your personal credit card?

17 A. Yes.

18 Q. It wasn't a corporate card?

19 A. No.

20 Q. Do you hold that credit account jointly  
21 with anyone?

22 A. No.

23 Q. Do you still have the statement from  
24 this purchase?

25 A. I might.

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2 Q. Do you think you might -- where do you  
3 think you might have it?

4 A. At home.

5 MR. GOLDSTEIN: I'm not sure we need  
6 that for anything, but I'll just note that there  
7 is a possibility we might ask you for --

8 MR. GRALEWSKI: I'm sorry, were you  
9 referring to the witness or to me?

10 MR. GOLDSTEIN: To you. I don't  
11 think -- I don't think we need that statement  
12 for anything, but there is a possibility we  
13 might ask.

14 MR. GRALEWSKI: I'll be happy to talk to  
15 you about anything you would want to talk about.

16 Q. So why did you purchase this particular  
17 television?

18 A. I purchased it because I wanted a larger  
19 television than the one I currently owned.

20 Q. At the time, what kind of television did  
21 you own?

22 A. A Sony 19-inch television.

23 Q. And when did you purchase that  
24 television?

25 A. 1993.

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2 Q. Was the only reason you bought a new TV  
3 that you wanted a larger one?

4 A. Yes.

5 Q. Did the Sony TV you had still function  
6 in 2004?

7 A. It did.

8 Q. And was the picture still good on the  
9 Sony television?

10 A. It was.

11 Q. When you -- compared to the Toshiba  
12 television you purchased, would you say that the  
13 picture quality was about the same?

14 A. As far as I remember, yes.

15 Q. Other than being larger, did the Toshiba  
16 television have any features that the Sony television  
17 did not?

18 A. Not that I'm aware of, no.

19 Q. To the best of your recollection, in  
20 1993 when you bought the Sony television, were larger  
21 models available at that time?

22 A. Yes.

23 Q. So among other large TVs, why did you  
24 purchase the Toshiba model that you did?

25 A. Given the size and the price, it was in

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2 my price range.

3 Q. Was it a better price for the Toshiba  
4 than for other 32-inch models?

5 A. I don't remember.

6 Q. If you don't remember, why do you think  
7 that price was the factor?

8 MR. GRALEWSKI: Object to form.

9 Argumentative.

10 A. I was working on a budget, so I knew  
11 that I didn't want to spend over a certain amount of  
12 money.

13 Q. Were you -- was the Toshiba model the  
14 cheapest one available?

15 A. I don't know.

16 Q. Do you know if there were more expensive  
17 models around?

18 A. There were.

19 Q. Do you know what made the more expensive  
20 models different from the Toshiba model?

21 A. No.

22 Q. At the time you purchased the TV, did  
23 you do any research on the internet or any magazines  
24 or elsewhere, about televisions?

25 A. No.

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2 Q. Did you read Consumer Reports or  
3 anything like that?

4 A. No.

5 Q. Was the Toshiba brand at all important  
6 to you?

7 A. It was a factor.

8 Q. How did you weigh the Toshiba brand, was  
9 it a positive factor?

10 A. It was a neutral factor.

11 Q. So how do you mean it was a neutral  
12 factor?

13 A. It was a brand I was familiar with.

14 Q. Was it important to you to have a  
15 television from a brand you were familiar with?

16 A. Yes.

17 Q. So if it was a -- if there was a TV  
18 available that was cheaper but from a brand you had  
19 not heard of, that would be --

20 MR. GRALEWSKI: Objection to form.

21 Incomplete hypothetical, vague and ambiguous.

22 A. Yes.

23 Q. How much value do you put on the brand  
24 name?

25 MR. GRALEWSKI: Object to the form.



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2 Vague and ambiguous, calls for speculation,  
3 asked and answered.

4 A. Some value.

5 Q. If you had to put a dollar amount on the  
6 brand value --

7 A. I cannot do that.

8 MR. GRALEWSKI: Hold on a second.

9 Object to the form. Asked and answered, calls  
10 for speculation, vague and ambiguous.

11 A. I cannot do that.

12 Q. Did you consider other brands other than  
13 Toshiba?

14 MR. GRALEWSKI: Object to the form.

15 Vague and ambiguous.

16 A. Yes.

17 Q. What brands were those?

18 A. Panasonic, Sony, and I'm sure a few  
19 others.

20 Q. Are there any brands that you would not  
21 have been interested in?

22 A. Ones where I was unfamiliar with the  
23 brand.

24 Q. So among the Toshiba, Sony, Panasonic  
25 and maybe other TVs you considered that all had a

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2 brand name, why did you decide on the Toshiba?

3 MR. GRALEWSKI: Object to the form.

4 Asked and answered.

5 A. Because it was the right size and I felt  
6 for the price, the right choice.

7 Q. So among brand name TVs that were all 32  
8 inches, was price the only factor in your decision?

9 A. No.

10 Q. What other factors were there?

11 A. Size.

12 Q. Was -- so you said among the 32-inch  
13 TVs, was the size of -- was size other than the  
14 screen size a factor?

15 A. No.

16 Q. So it was only the screen size, not the  
17 cabinet size that was important to you?

18 A. Correct.

19 Q. So I'm going to try that question again.

20 So among the brand named 32-inch TVs  
21 that you considered, was price the only factor  
22 leading you to choose the Toshiba television?

23 A. No. Did you say -- I'm sorry, could you  
24 repeat that question again.

25 Q. Yeah. Among the 32-inch brand named

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2 TVs, all the same 32-inch size, was there any factor  
3 other than size that led you to choose the Toshiba  
4 TV?

5 A. Yes.

6 Q. And what factors were those?

7 A. Features.

8 Q. Features.

9 Which features were a factor in your  
10 decision?

11 A. I did not want one that came with  
12 additional components such as a VCR or any tape  
13 device.

14 Q. Were there other features you didn't  
15 want?

16 A. No. I was looking for a simple model.

17 Q. Why did you want a simple model?

18 A. Easier to repair.

19 Q. Did you have the Toshiba television  
20 repaired during the time you owned it?

21 A. No, I did not.

22 Q. Had you had your Sony television  
23 repaired?

24 A. No, I did not.

25 Q. Why were you concerned about the ease of

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2 repair?

3 A. I already owned a VCR, so I didn't need  
4 to complicate it.

5 Q. Do you think having a VCR increased the  
6 price of the television?

7 MR. GRALEWSKI: Objection to the form.

8 Calls for speculation, vague and ambiguous.

9 A. Yes.

10 Q. You did not want to pay for a feature  
11 you didn't need?

12 A. Correct.

13 Q. Okay. So among brand named, 32-inch  
14 non-VCR combo TVs, was price the only factor that led  
15 you to select the Toshiba?

16 A. As far as I know, yes.

17 Q. Going back to your preference for brand  
18 names, why do you prefer brand name TVs to ones that  
19 you have not heard of?

20 A. I always had preferred a brand name.

21 Q. Do you perceive quality differences  
22 between brand names and non-brand names?

23 A. I do.

24 Q. And what are some brands you associate  
25 with quality?

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2 A. Regarding television sets?

3 Q. Regarding television sets.

4 A. Sony, Panasonic, Samsung.

5 Q. Not Toshiba?

6 A. No.

7 Q. At the time you purchased your  
8 television in 2004, did you associate the Toshiba  
9 brand name with the quality television?

10 A. I associated it with the second tier.

11 Q. So the names you said before, Panasonic,  
12 Sony, Samsung, is that the first tier in the  
13 recognized names?

14 A. Yes.

15 Q. What other television manufacturers  
16 would be on the second tier -- actually, I'm sorry,  
17 is there anyone else in the first tier beside  
18 Panasonic, Sony, Samsung?

19 A. In my mind, no.

20 Q. What TV brands are in the second tier?

21 A. Hitachi, Daewoo, LCD. That's it.

22 Q. So did you say LCD?

23 A. I think that's a brand. Is it not?

24 Q. I'm not sure. Is there a third tier?

25 A. No.

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2 Q. On what do you base your judgments about  
3 which tier the TV manufacturers fall into?

4 A. On public opinion.

5 Q. And what is your source for public  
6 opinion?

7 A. Speaking with friends who own television  
8 sets and asking them their opinion.

9 Q. Have you, at any time, read any  
10 publications that rank the quality of different  
11 televisions?

12 A. I may have.

13 Q. Did that influence your perception of  
14 which tier a manufacturer falls into?

15 A. Collectively over the years, yes.

16 Q. Have you ever seen any publication  
17 classify TV manufacturers into tiers as you have?

18 A. No.

19 Q. So is the tier division solely your  
20 opinion?

21 A. It's my division.

22 Q. Okay. When you purchased your Toshiba  
23 TV in 2004, did you consider any Hitachi models?

24 A. I don't remember.

25 Q. Do you remember if you considered any



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2 Daewoo models?

3 A. I don't remember.

4 Q. Did you consider any Sony models?

5 A. I believe so.

6 Q. And why did you decide to purchase the  
7 Toshiba TV instead of the Sony TV?

8 A. I believe it was a better price.

9 Q. I think you also said you considered  
10 Panasonic models.

11 A. Yes.

12 Q. Did you select the Toshiba because it  
13 was cheaper than the Panasonic?

14 A. I don't remember.

15 Q. So why did you choose to purchase the  
16 television that was in the second tier, in your  
17 judgment, as opposed to in the first tier?

18 A. Because I couldn't afford one in the  
19 first tier.

20 Q. Was the brand of the CRT inside the  
21 television important to you?

22 A. I wouldn't know what the brand was.

23 Q. So at the time you purchased the Toshiba  
24 TV, you didn't know what kind of CRT was in it?

25 A. Correct.

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2 Q. Do you know what kind of CRT was in it  
3 today?

4 A. I do not.

5 Q. Do you know who made the CRT in your  
6 Toshiba television?

7 A. I do not.

8 Q. Do you have any reason to believe it was  
9 one of the defendants in this case who manufactured  
10 the CRT?

11 A. I do not know.

12 Q. Do you know of any way for you to find  
13 out?

14 A. I am sure there are records that  
15 demonstrate what CRTs were part of each of these  
16 television sets that were produced.

17 Q. But based on your own knowledge?

18 A. My own knowledge, no.

19 Q. So if one of the defendants in this case  
20 did not make the CRT in your TV, would you still be  
21 bringing this claim?

22 MR. GRALEWSKI: Object to the form.

23 Vague and ambiguous, calls for speculation,  
24 calls for legal conclusion, lacks foundation.

25 A. If that were the case, I wouldn't be

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2 qualified to be speaking to you now.

3 Q. How do you mean that, qualified?

4 MR. GRALEWSKI: Object to the form.

5 Vague and ambiguous, calls for speculation,  
6 lacks foundation, calls for a legal conclusion.

7 A. Could you repeat the question, please.

8 Q. How do you mean you wouldn't be  
9 qualified to speak with me if one of the defendants  
10 had not manufactured the CRT in your Toshiba  
11 television?

12 MR. GRALEWSKI: Same objections.

13 A. I would not be an injured party.

14 Q. So if one of the defendants did not make  
15 the CRT in your television, you wouldn't have  
16 suffered any injury?

17 MR. GRALEWSKI: Object to the form.

18 Asked and answered, vague and ambiguous, calls  
19 for speculation, lacks foundation, calls for a  
20 legal conclusion.

21 A. I believe so.

22 Q. And you believe you're qualified to  
23 speak with me today; is that correct?

24 A. Correct.

25 Q. Why do you think that?

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2 MR. GRALEWSKI: You can certainly answer  
3 the question. I just caution you to not reveal  
4 any communications with your lawyers in  
5 answering the question.

6 A. Because I owned a Toshiba television set  
7 that contained a CRT that was purchased between 1995  
8 and 2007.

9 Q. Is it your claim that all CRTs  
10 manufactured between 19 -- March 1st, 1995 and  
11 November 25, 2007 were the subject of an antitrust  
12 violation?

13 A. I believe certain manufacturers are the  
14 subject.

15 Q. So some manufacturers did not  
16 participate in the alleged conspiracy?

17 MR. GRALEWSKI: Object to the form.  
18 Lacks foundation.

19 A. I don't know.

20 Q. You said certain manufacturers were the  
21 subject of an antitrust violation.

22 Which manufacturers were those?

23 A. There are a number of manufacturers;  
24 Hitachi, Panasonic, Chunghwa, Toshiba, Samsung.

25 Q. Are there any others?

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2 A. I don't know all the manufacturers'  
3 names.

4 Q. Was Sony a part of the alleged  
5 conspiracy?

6 A. No.

7 Q. Was Sanio a part of the alleged  
8 conspiracy?

9 A. I don't know.

10 Q. Why do you think those companies were  
11 part of an alleged conspiracy or part of a  
12 conspiracy?

13 MR. GRALEWSKI: Object to the form.

14 Vague and ambiguous. You know Chunghwa has  
15 already settled.

16 A. Chunghwa has already settled.

17 Q. With whom has Chunghwa settled?

18 A. With the plaintiffs.

19 Q. Does that include yourself in that?

20 A. No, it does not.

21 Q. So with which plaintiffs has Chunghwa  
22 settled?

23 A. The original plaintiffs.

24 Q. The original indirect purchaser?

25 A. The original indirect purchasers,

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2 correct.

3 Q. And does that explain the basis for your  
4 belief that Chunghwa was involved in antitrust  
5 violations?

6 A. Yes.

7 Q. What about the other companies you  
8 named?

9 A. Samsung has pled guilty.

10 Q. What about Hitachi?

11 A. I don't know anything about Hitachi.

12 Q. So why do you believe Hitachi was  
13 involved in an antitrust violation?

14 A. I rely on my attorney.

15 Q. Has your attorney shown you any  
16 documents that indicate to you that Hitachi was  
17 involved in an antitrust conspiracy?

18 (DIR)

19 MR. GRALEWSKI: I instruct you not to  
20 answer that question on the grounds of  
21 attorney-client privilege.

22 Q. Have you seen any documents that led you  
23 to believe Hitachi was involved in an antitrust  
24 violation?

25 A. Yes.

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2 Q. Which documents were those?

3 A. The complaint.

4 Q. Other than the complaint in this case,  
5 have you seen any other documents that lead you to  
6 believe that Hitachi was involved in an antitrust  
7 violation?

8 A. I rely on my attorney for that.

9 Q. For Panasonic, why do you believe  
10 Panasonic was involved in an antitrust violation?

11 A. I rely on my attorney for that.

12 Q. Other than Samsung and Chunghwa, are you  
13 relying on your attorney for your belief that any  
14 other company was involved in an antitrust violation?

15 A. Yes.

16 MS. BYRD: This is Courtney Byrd. I  
17 would like to object to that question as vague  
18 and ambiguous as to the term Samsung.

19 MR. GOLDSTEIN: That's a question for  
20 Courtney.

21 Q. Do you have a belief about which  
22 specific Samsung or specifically, what entity named  
23 Samsung was involved in --

24 A. I believe --

25 MS. BYRD: I believe that's she's



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2 referring to Samsung SDI, but...

3 A. I am.

4 Q. Okay. So other than for Samsung SDI and  
5 Chunghwa, is it correct that you have no basis other  
6 than what your attorney has told you to believe that  
7 any other company was involved in an antitrust  
8 violation?

9 MR. GRALEWSKI: Object to the form.  
10 Misstates testimony, argumentative, lacks  
11 foundation.

12 A. I'm relying on my attorney.

13 Q. Sorry. I'm not sure that was  
14 responsive.

15 A. You --

16 MR. GRALEWSKI: Hold on a second. His  
17 job is to ask questions. Your job is to answer  
18 them. You answered the question and now he can  
19 choose to ask another question if he wishes to.  
20 So I object to your characterization of the  
21 client's -- witness. If we could stick to  
22 asking questions, I would appreciate it.

23 Q. You said you were relying on your  
24 attorney.

25 Are you relying on your attorney for

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2 your belief that companies other than Samsung, SDI  
3 and Chunghwa were involved in an antitrust violation?

4 A. Yes.

5 Q. Other than what your attorney has told  
6 you, do you have any reason to believe that companies  
7 other than Samsung SDI and Chunghwa were involved in  
8 an antitrust violation?

9 A. Yes.

10 Q. What independent basis is that?

11 A. I reviewed the documentation.

12 Q. Which documentation?

13 A. The complaint.

14 Q. Did your attorneys draft the complaint?

15 A. There are many attorneys involved in  
16 this case.

17 Q. Did you draft the complaint?

18 A. No.

19 Q. Did you review any documentation other  
20 than the complaint?

21 A. Yes.

22 Q. Which documents were those?

23 (DIR)

24 MR. GRALEWSKI: I'm going to instruct  
25 the witness not to answer that question on the

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2 grounds of the attorney-client privilege if the  
3 documents that you're referring to are, or you  
4 would refer to in your answer, would be  
5 documents that your attorneys gave you. If  
6 they're not, you can tell him.

7 A. They were documents that my attorney  
8 gave me.

9 Q. Were they documents that your attorney  
10 drafted?

11 (DIR)

12 MR. GRALEWSKI: I'm going to instruct  
13 you not to answer on the grounds of  
14 attorney-client privilege.

15 Q. Approximately how many documents did you  
16 review other than the complaint?

17 (DIR)

18 MR. GRALEWSKI: I'm going to instruct  
19 you not to answer on the grounds of the  
20 attorney-client privilege.

21 Q. Do any documents other than the  
22 complaint lead you to believe that there was an  
23 antitrust violation in this case?

24 A. Yes.

25 Q. What documents lead you to believe there

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2 was an antitrust violation in this case?  
3 (DIR)

4 MR. GRALEWSKI: Time out. I think we  
5 hoed this row. Object to the form. Asked and  
6 answered. The instruction I'm going to give you  
7 is the same that I gave you last time. If you  
8 independently looked at documents that your  
9 lawyers didn't give you, you can tell him to  
10 answer that question. To the extent those  
11 documents were documents that your lawyers gave  
12 you, I instruct you not to answer.

13 A. I'm not answering.

14 Q. Have you looked at any documents other  
15 than what your lawyers gave you that form your belief  
16 that there was an antitrust violation in this case?

17 A. No.

18 MR. GOLDSTEIN: You want to take a  
19 break?

20 MR. GRALEWSKI: Sure.

21 MR. GOLDSTEIN: Let's go off the record.

22 THE VIDEOGRAPHER: Going off the record  
23 at 11:38 a.m. This is the end of disk 1 in the  
24 deposition of Louise Wood.

25 (Discussion off the record.)

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2 THE VIDEOGRAPHER: Going back on the  
3 record at 11:58 a.m. This is the beginning of  
4 the second disk in the deposition of Louise  
5 Wood.

6 BY MR. GOLDSTEIN:

7 Q. Ms. Wood, going back to your decision to  
8 purchase the Toshiba television, at the time of your  
9 purchase, did you consider purchasing an LCD  
10 television instead of a CRT TV?

11 A. I don't believe so.

12 Q. Why weren't you interested in LCD TVs?

13 MR. GRALEWSKI: Object to the form.

14 Misstates testimony, lacks foundation.

15 A. I'm not a tech person. So I don't --  
16 I'm not the first to raise my hand to get the latest  
17 in technology.

18 Q. So is it your perception that the LCD  
19 technology was the latest technology in 2004?

20 A. For televisions.

21 Q. Do you know if there was a 32 LCD model  
22 available?

23 A. I don't know. I assume so.

24 Q. Did you not consider LCD TVs just  
25 because they were new technology?

1 Wood - October 15, 2012

2 A. Because of price.

3 Q. And were they more expensive than CRT  
4 TVs?

5 A. I believe so.

6 Q. Did you check whether they were more  
7 expensive than CRT TVS or did you assume because they  
8 were new technology?

9 A. I believe both. I believe that because  
10 they were new technology and also, because I looked  
11 at their price.

12 Q. Other than being more expensive, was a  
13 LCD TV desirable to you?

14 A. Not particularly.

15 Q. When you replaced your Toshiba TV in  
16 2009 -- sorry, with what did you replace it?

17 MR. GRALEWSKI: Object to form. Asked  
18 and answered, I believe. You can answer.

19 A. It was a Samsung flat screen, I believe  
20 a 37-inch.

21 Q. So the new TV was larger than the  
22 Toshiba TV?

23 A. Yes.

24 MR. GRALEWSKI: Object to the form.  
25 Vague and ambiguous.

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2 A. A larger screen.

3 Q. Let's go back to Exhibit 382 which is  
4 your receipt from Costco.

5 Why did you purchase the TV at Costco as  
6 opposed to anywhere else?

7 A. They provide good value.

8 Q. Does that mean they offer lower prices  
9 than other retailers?

10 A. Sometimes.

11 Q. Are there other components of value  
12 other than price?

13 MR. GRALEWSKI: Object to the form.

14 Vague and ambiguous, calls for expert testimony.

15 Q. I'll rephrase that.

16 When you say they offer good value, are  
17 you referring to anything other than offering lower  
18 prices?

19 A. For television sets?

20 Q. Whatever you may mean by Costco offers a  
21 good value.

22 A. I'm sorry, other than value -- good  
23 value, is there anything else?

24 Q. When you said it's a good value, do you  
25 mean anything other than that their prices are lower?



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2 Are there other components of being a good value, in  
3 your opinion?

4 A. Their prices are fair.

5 Q. What do you mean by their prices are  
6 fair?

7 A. I don't expect to pay more than I would  
8 anywhere else.

9 Q. Do you think there are places where you  
10 could pay less?

11 A. I don't know.

12 Q. Does Costco have a price match guarantee  
13 if you find a lower price elsewhere?

14 A. Not that I'm aware of.

15 Q. Are there other retailers offer the same  
16 kind of value?

17 MR. GRALEWSKI: Object to the form.

18 Vague and ambiguous, lacks foundation, calls for  
19 speculation.

20 A. I believe so.

21 Q. What other retailers that offer the same  
22 kind of value as Costco?

23 A. Best Buy.

24 Q. Anyone else?

25 MR. GRALEWSKI: Same objections.

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2 A. I live in Manhattan. There are limited  
3 options.

4 Q. Did you -- you visited the Costco store  
5 personally?

6 A. Yes.

7 Q. Did you consider or did you shop on-line  
8 at all for televisions?

9 A. No.

10 Q. Did you consider shopping on-line?

11 A. I don't remember.

12 Q. Living in Manhattan, do you think --  
13 well, did you consider any retailers other than  
14 Costco?

15 A. Best Buy.

16 Q. Did you visit a Best Buy?

17 A. Not that I remember.

18 Q. So when you say you considered it, to  
19 what extent did you consider Best Buy?

20 A. I knew it was available as an option.

21 Q. Were there other options you were aware  
22 of other than Best Buy and Costco?

23 MR. GRALEWSKI: Object to form. Asked  
24 and answered.

25 A. I'm sure there are, but I don't know

1 Wood - October 15, 2012

2 what they are.

3 MR. GRALEWSKI: I'm going to withdraw  
4 that prior objection.

5 Q. When you went to the Costco, was that --  
6 the Costco was located in Queens?

7 A. Yes.

8 Q. Did you deal with a salesperson at  
9 Costco when you purchased the television?

10 A. Yes.

11 Q. So let me go back for a second.

12 Did you -- how many times did you visit  
13 Costco when you were considering the television  
14 purchase?

15 A. That one time.

16 Q. And when you went to the Costco, had  
17 you -- did you go for the purpose of purchasing a  
18 television?

19 A. Yes.

20 Q. And when you spoke with the salesperson,  
21 what did you discuss?

22 A. Features, and I believe that was it.  
23 The prices are listed.

24 Q. About how long did you speak with the  
25 salesperson?

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2 A. Ten minutes.

3 Q. Which features did you discuss with him?

4 A. I asked for their recommendation.

5 Q. And what did the salesperson recommend?

6 A. A variety of television sets in a  
7 certain price range.

8 Q. When you asked for the salesperson's  
9 recommendation, did you give him parameters in terms  
10 of what you were looking for?

11 A. Based on price.

12 Q. Did you tell him a price range you were  
13 looking for?

14 A. I believe so.

15 Q. What was that range?

16 A. Three to 400.

17 Q. And how did you determine that price  
18 range?

19 A. I wasn't willing to pay more.

20 Q. Were you set on buying a certain size  
21 television?

22 A. No, I don't believe so.

23 Q. So was your objective to get the largest  
24 television you could in that price range?

25 A. No, I don't believe so.

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2 Q. What were you looking for in that price  
3 range?

4 A. I needed a television set that would fit  
5 into a unit that I had.

6 Q. So did that limit how large of a  
7 television you could get?

8 A. It did.

9 Q. What was the limit?

10 A. I believe 37 inches.

11 Q. Were you willing to put any -- go -- was  
12 there a minimum size that you needed to have?

13 A. No.

14 Q. When you discussed features with the  
15 salesperson, did you discuss CRTs?

16 A. No.

17 Q. Did the salesperson mention that LCD  
18 televisions were available?

19 A. I believe so.

20 Q. What did the salesperson say about LCD  
21 televisions?

22 A. I don't remember.

23 Q. Did the salesperson tell you that the  
24 Toshiba television you ultimately purchased contained  
25 a CRT?

1 Wood - October 15, 2012

2 A. No.

3 Q. Did you negotiate the price at all?

4 A. I did not.

5 Q. Did you attempt to?

6 A. No.

7 Q. Do you know where Costco purchased the  
8 Toshiba TV from?

9 A. I do not.

10 Q. Do you know when they bought it?

11 A. I do not.

12 Q. Was it a new television or a refurbished  
13 or used television?

14 A. It was a new television.

15 Q. Do you know how much Costco paid for the  
16 television?

17 A. I do not.

18 Q. Did you shop around at all to find the  
19 best price for that Toshiba television?

20 A. I did not.

21 Q. So you don't know if it was available  
22 cheaper elsewhere?

23 A. I do not.

24 Q. Other than your one visit to Costco, did  
25 you do any other shopping around for a television in

1 Wood - October 15, 2012

2 2004?

3 A. Not that I remember.

4 Q. About how much time did the whole visit  
5 take?

6 A. From beginning to end, an hour.

7 Q. Why didn't you shop around for a better  
8 price?

9 A. I was with someone who had a car and  
10 they were going to transport the television back to  
11 Manhattan.

12 Q. Did you consider television delivery  
13 services?

14 A. Costco does not deliver.

15 Q. The person who was with you who had a  
16 car, did you pay that person at all for transporting  
17 the television back?

18 A. No, I did not.

19 Q. Did you contribute for gas or anything?

20 A. I did not.

21 Q. Did you look at any independent delivery  
22 services other than Costco's?

23 A. No.

24 Q. And you didn't look at any on-line  
25 retailers?



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2 A. No.

3 Q. Do you know if you could have purchased  
4 the Toshiba TV at another store?

5 A. I don't know.

6 Q. Was the Toshiba TV on sale when you  
7 purchased it?

8 A. No.

9 Q. So the price on the receipt, \$299.99, is  
10 the full retail price?

11 A. Correct.

12 Q. Did you pay extra for a warrantee on the  
13 TV?

14 A. No, I did not.

15 Q. Did you pay tax on the TV?

16 A. I did.

17 Q. Is it the New York City sales tax, 8.625  
18 percent?

19 A. Yes.

20 Q. Do you know if the TV came with a  
21 warrantee?

22 A. I believe it came with a one-year  
23 warrantee.

24 Q. Was that Toshiba's warrantee or Costco's  
25 warrantee or someone else's?

1 Wood - October 15, 2012

2 A. That's AMEX's warrantee for one year.

3 Q. Okay. Other than the AMEX warrantee,  
4 was there any warrantee that you are aware of?

5 A. I don't remember the time period.

6 Q. Going back to the receipt, Exhibit 382,  
7 is it your practice to keep receipts?

8 A. Yes.

9 Q. Do you keep all of your receipts?

10 A. I do.

11 Q. How long do you keep them for?

12 A. I have them going back 10 years.

13 Q. Where do you keep them?

14 A. In my apartment.

15 Q. Is Costco a membership store?

16 A. It is.

17 Q. So you have to be a member to shop  
18 there?

19 A. Correct.

20 Q. Were you a Costco member at the time you  
21 purchased your television?

22 A. I was.

23 Q. How much did you pay for your Costco  
24 membership?

25 A. It was actually a gift.

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2 Q. Are you still a Costco member?

3 A. I am.

4 Q. Do you pay for your membership now?

5 A. I do.

6 Q. How much do you pay for your membership  
7 now?

8 A. I believe it's \$50 a year.

9 Q. \$50 per year.

10 And is that your approximate value of  
11 the membership back in 2004?

12 A. Yes.

13 MR. GRALEWSKI: Object to the form.  
14 Vague and ambiguous.

15 Q. Prior to receiving the membership in  
16 2004 as a gift, were you a Costco member?

17 A. Yes.

18 MR. GRALEWSKI: Can we just take a quick  
19 break and go off the record. The videographer  
20 needs a technical adjustment. We don't have to  
21 take a break, just off the record.

22 THE VIDEOGRAPHER: Off the record, 12:20  
23 p.m.

24 (Discussion off the record.)

25 THE VIDEOGRAPHER: Back on the record,

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2 12:20 p.m.

3 BY MR. GOLDSTEN:

4 Q. Did the gift membership you received in  
5 2004, did that cover the calendar year 2004?

6 A. It did.

7 Q. Were you a member in 2003?

8 A. I was.

9 Q. Did you pay for that or receive that as  
10 a gift?

11 A. That was a gift.

12 Q. What was the value of that gift?

13 MR. GRALEWSKI: Hold on just a second.

14 I'm not going to object, but are you going to  
15 ask a lot of questions about her membership and  
16 whether she got them as gifts? Because I hope  
17 not.

18 MR. GOLDSTEIN: Yeah, I have got a  
19 couple more.

20 MR. GRALEWSKI: So that's my speaking  
21 objection.

22 MR. GOLDSTEIN: Okay.

23 Q. Does being a Costco member entitle you  
24 to certain discounts that are not available to  
25 non-members?

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2 A. I don't believe so.

3 Q. Can non-members shop at Costco?

4 A. I don't believe so.

5 MR. GRALEWSKI: I object to the form.

6 Calls for speculation.

7 Q. Why do you continue to maintain a Costco  
8 membership?

9 A. I appreciate good value.

10 Q. So is it fair to say you think the value  
11 is worth the membership fee?

12 A. Correct.

13 Q. So is it fair to say you think you can  
14 obtain some things more cheaply at Costco than at  
15 other stores?

16 A. I believe so.

17 Q. And non-members don't have access to  
18 those same values?

19 MR. GRALEWSKI: Object to the form.

20 Lacks foundation, calls for speculation.

21 A. Non-members can't purchase products at  
22 Costco.

23 Q. Do you think that if you were not a  
24 Costco member, you would have paid more for your  
25 television?

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2 MR. GRALEWSKI: Object to form, lacks  
3 foundation, calls for speculation.

4 A. I don't know.

5 Q. If the TV were \$10 more, would you still  
6 have bought it?

7 MR. GRALEWSKI: Object to the form.  
8 Lacks foundation, incomplete hypothetical.

9 A. Probably.

10 Q. If the TV were \$20 more, would you still  
11 have bought it?

12 MR. GRALEWSKI: Same objections.

13 A. Probably.

14 Q. How much more would you have been  
15 willing to pay for the television?

16 A. To purchase at Costco?

17 Q. Yes. For the Toshiba television you  
18 purchased.

19 MR. GRALEWSKI: Object to form,  
20 incomplete hypothetical, lacks foundation, calls  
21 for speculation.

22 A. I don't know.

23 Q. Do you know how much of the \$299.99  
24 purchase price for the Toshiba television was for the  
25 CRT contained inside the product?

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2 A. I do not.

3 Q. Would you know how to find out?

4 A. I rely on my lawyer for that.

5 Q. Generally, do you know how much a CRT  
6 cost relative to the total TV?

7 A. 50 percent.

8 Q. Why do you think 50 percent?

9 A. I rely on my lawyer for that.

10 Q. Do you have any basis for thinking the  
11 CRT is 50 percent of the cost of the TV other than  
12 what your lawyer told you?

13 MR. GRALEWSKI: Objection to the form to  
14 the extent it misstates her testimony, lacks  
15 foundation. You can answer.

16 A. No, I do not.

17 Q. I think you said before that the TV was  
18 not on sale, correct?

19 A. Correct.

20 MR. GRALEWSKI: Object to the form.  
21 Asked and answered.

22 Q. Was it discounted in any way?

23 A. I don't know.

24 Q. Did you request a discount for any  
25 reason?



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2 A. I did not.

3 Q. Did you use any coupons?

4 A. No.

5 Q. Was there any rebate for purchasing it?

6 A. No.

7 Q. Did you ask if there were any sales or  
8 rebates?

9 A. No.

10 Q. Did you monitor the price of the Toshiba  
11 TV after you purchased it?

12 A. No.

13 Q. I know you said the TV was new.

14 Was it a floor model or did it come --

15 A. No. It came in a box.

16 Q. Did you consider purchasing a floor  
17 model?

18 A. No.

19 Q. Why not?

20 A. Why not?

21 MR. GRALEWSKI: Object to the form.

22 Lacks foundation.

23 A. I wanted a new television.

24 Q. Did any accessories come with the TV?

25 A. Just a remote.

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2 Q. Did you get any cables that would  
3 connect it to anything?

4 A. No.

5 Q. Was -- do you know if customer technical  
6 support was available to help you with installing the  
7 TV?

8 A. I do not believe there was any technical  
9 support available.

10 Q. Did you pay for any installation  
11 services, any customer support?

12 A. No, I did not.

13 Q. Did you -- was the TV purchased as part  
14 of a package with anything else?

15 A. No, it was not.

16 Q. During the time you owned the Toshiba  
17 TV, what did you use it for?

18 A. Personal use.

19 Q. Was it always in your home?

20 A. Yes.

21 Q. Do you have a home office?

22 A. No.

23 Q. Did anyone else reimburse you for any  
24 part of the purchase price of the TV?

25 A. No.

1 Wood - October 15, 2012

2 Q. Did anyone else use the TV other than  
3 you?

4 A. No.

5 Q. In your opinion, was the -- is the TV a  
6 good product?

7 MR. GRALEWSKI: Object to the form.

8 Vague and ambiguous.

9 A. It performed as I expected.

10 Q. Were you happy with your purchase?

11 A. It performed as I expected.

12 Q. Have you had any complaints about it?

13 A. No.

14 Q. At the time you purchased the Toshiba  
15 TV, did you feel you paid a competitive price?

16 MR. GRALEWSKI: Can I have that question  
17 read back, please.

18 (The record was read.)

19 A. With the information available to me, I  
20 believe so.

21 Q. Why did you think it was a competitive  
22 price?

23 A. Since I purchased it from Costco, I  
24 believe that their prices are competitive.

25 Q. What about now, do you think you -- do

1 Wood - October 15, 2012

2 you still think you paid a competitive price for the  
3 Toshiba TV?

4 A. No, I do not.

5 Q. Why not?

6 A. I believe that there was price fixing  
7 for CRTs.

8 Q. And do you believe that raised the price  
9 of your Toshiba television?

10 A. Yes, I do.

11 Q. How much do you think it raised it?

12 A. I do not know.

13 Q. Do you know how you would figure out how  
14 much it was raised?

15 A. I would rely on the attorneys and the  
16 economists to figure that out.

17 Q. So now do you think that Costco did not  
18 offer a competitive price for the TV?

19 MR. GRALEWSKI: Object to the form.

20 Asked and answered.

21 A. I believe that as an indirect purchaser,  
22 I paid a higher price.

23 Q. So while you had the Toshiba TV, did you  
24 open it at any point, open the back of the TV?

25 A. I did not.

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2 Q. Did anyone else ever open the TV for  
3 repair or anything?

4 A. They did not.

5 Q. Do you know if CRTs come in different  
6 sizes?

7 A. I do not.

8 Q. Do you know what size the CRT was inside  
9 your TV?

10 A. I do not.

11 Q. When you got the TV, did it come with an  
12 owner's manual?

13 A. I believe it did.

14 Q. Do you still have the owner's manual?

15 A. I do not.

16 Q. Do you know who manufactured your TV?

17 A. Toshiba manufactured the television.

18 Q. Do you know if Toshiba actually made the  
19 TV or someone else made the TV and Toshiba stuck its  
20 label on it?

21 A. I do not.

22 Q. Do you know where the manufacturer  
23 purchased the CRT that went inside the TV?

24 A. I do not.

25 Q. And you don't know who manufactured the

1 Wood - October 15, 2012

2 CRT that was inside the TV?

3 MR. GRALEWSKI: Objection. Asked and  
4 answered.

5 A. I do not.

6 Q. Are you aware that there are other CRT  
7 manufacturers besides the defendants in this case?

8 A. I am.

9 MR. GRALEWSKI: Hold on a second. I'm  
10 going to object to the form as asked and  
11 answered. You asked identical questions before  
12 the break and I would really encourage you not  
13 to ask identical questions of this witness who  
14 is making herself available today. So objection  
15 to the form. Asked and answered.

16 A. I am.

17 Q. So companies that sell CRT products like  
18 Costco, in your opinion, do they generally compete  
19 for business?

20 A. Yes.

21 Q. Who do you perceive as Costco's main  
22 competitors?

23 MR. GRALEWSKI: Object to the form.  
24 Vague and ambiguous, calls for a narrative.

25 A. Sam's Club.

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2 Q. Is Best Buy a competitor? You mentioned  
3 them before.

4 A. Sam's, Best Buy, fine.

5 MR. GRALEWSKI: The question also seeks  
6 expert testimony, lacks foundation, as to this  
7 witness.

8 Q. To your knowledge, did Costco advertise  
9 TV prices in 2004?

10 A. They advertise products through flyers,  
11 but I cannot tell you if I received a flyer with  
12 information in it.

13 Q. Have you ever seen flyers from other  
14 companies advertising TV pricing?

15 A. Yes.

16 Q. What companies have you seen advertising  
17 TV prices?

18 A. In 2004?

19 Q. At any time in the relevant period.

20 A. Best Buy, J&R Music World.

21 Q. Do companies that manufacture  
22 televisions containing CRTs, in your opinion, do they  
23 compete for business?

24 MR. GRALEWSKI: Object to the form.

25 Lacks foundation, calls for speculation.



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2 A. Could you repeat the question, please.

3 Q. In your opinion, do companies that  
4 manufacture TVs containing CRTs, do they compete for  
5 business?

6 MR. GRALEWSKI: Same objections.

7 A. They compete, yes.

8 Q. And companies that manufactured CRTs, in  
9 your opinion, do they compete for business?

10 MR. GRALEWSKI: Object to the form.

11 Vague and ambiguous.

12 A. No.

13 Q. You said earlier that you now believe  
14 you were overcharged for your television, correct?

15 A. Yes.

16 Q. How do you know that you paid the  
17 alleged overcharge and not Costco?

18 MR. GRALEWSKI: I object to the form.

19 Calls for legal and expert testimony.

20 A. I believe that as an indirect purchaser,  
21 the price fixing that began at the beginning of the  
22 chain was passed on through the retailer to myself.

23 Q. Why do you believe it was passed on?

24 MR. GRALEWSKI: Same objections.

25 A. Because the price was fixed.

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2 Q. The price of what was fixed?

3 A. The CRTs.

4 Q. And what is your understanding of the  
5 sales chain of the CRT before it came to you?

6 A. The manufacturer of the CRTs provided  
7 the CRTs to the manufacturers of the televisions who  
8 then manufactured the television sets and provided  
9 them to the retailers who then provided them to the  
10 indirect purchaser of the cathode -- CRTs for their  
11 use, for their personal use, or small business use.

12 Q. You said earlier that you think TV  
13 manufacturers compete for business.

14 How do you know that they didn't absorb  
15 the overcharge?

16 MR. GRALEWSKI: Object to the form.

17 Lacks foundation, calls for speculation, calls  
18 for legal and expert testimony.

19 A. I do not know that.

20 Q. Same question for the retailers.

21 How do you know that the retailers had  
22 possibly not absorbed the overcharge?

23 MR. GRALEWSKI: Same objection.

24 A. I do not know except as if you set the  
25 price at the beginning, it gets passed onto everyone

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2 else.

3 Q. When you say everyone else, do you mean  
4 everyone in the sales chain?

5 A. To the manufacturers of the television  
6 sets to the retailers to the purchasers.

7 Q. So you believe that all three of those  
8 groups paid a higher price than they should have?

9 A. I do.

10 Q. Do you believe that all three of those  
11 groups were harmed?

12 A. This is not about that.

13 MR. GRALEWSKI: I just want to object to  
14 that question. Calls for legal and expert  
15 testimony.

16 A. I rely on my lawyer for that.

17 Q. What is the total amount you expect the  
18 class to receive if it's successful in this lawsuit?

19 A. Whatever is fair and equitable.

20 Q. Do you think everyone in the class  
21 should get the same amount if the class wins?

22 A. I do not know.

23 Q. Would you agree that a manufacturer is  
24 entitled to make a profit on their products that it  
25 produces?

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2 MR. GRALEWSKI: Object to the form.

3 Incomplete hypothetical, vague and ambiguous.

4 A. That is --

5 MR. GRALEWSKI: Calls for legal  
6 testimony.

7 A. That is their prerogative.

8 Q. Is there an element as to how much  
9 profit is reasonable?

10 MR. GRALEWSKI: Object to the form.  
11 Vague and ambiguous, lacks foundation, calls for  
12 legal testimony, incomplete hypothetical.

13 A. I do not know.

14 Q. If the price for a CRT fell, would you  
15 expect a manufacturer to increase or decrease  
16 production?

17 MR. GRALEWSKI: Object to the form.  
18 Lacks foundation, incomplete hypothetical, calls  
19 for legal and expert testimony.

20 A. I do not know.

21 Q. When did you first come to think that  
22 you were overcharged for your Toshiba TV?

23 A. In 2012.

24 Q. What led you to think you were  
25 overcharged?

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2 A. I rely on my lawyer for that.

3 Q. So how did you first become aware that  
4 you might have been overcharged?

5 A. I received an e-mail.

6 Q. From whom did you receive an e-mail?

7 A. From my lawyer.

8 Q. From Mr. Gralewski?

9 A. From Silvy Kern.

10 Q. And Ms. Kern is also your attorney in  
11 this matter?

12 A. Yes.

13 Q. How did you first meet Ms. Kern?

14 A. I met her in San Francisco when I was  
15 there on business.

16 Q. When was that, what year?

17 A. 2011.

18 Q. Were you doing business with Ms. Kern?

19 A. I was not.

20 Q. Under what circumstances did you meet  
21 her?

22 A. Social.

23 Q. Has Ms. Kern represented you in any  
24 other matters, any transactions, anything?

25 A. No.

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2 Q. So prior to -- at the time Ms. Kern  
3 e-mailed you in 2012, was she your attorney?

4 A. No, she was not.

5 Q. She subsequently became your attorney?

6 A. Yes.

7 Q. Did you have -- so before hearing from  
8 Mr. Kern, had you read any news articles or seen any  
9 stories in the media that might have alerted you to  
10 the CRT litigation?

11 A. No.

12 Q. Did anyone other than a lawyer tell you  
13 that you may have been overcharged for a CRT?

14 MR. GRALEWSKI: Object to form.

15 Misstates testimony, lacks foundation.

16 A. Not that I'm aware of.

17 Q. Other than Ms. Kern, has anyone else  
18 told you that you might have been overcharged for a  
19 CRT?

20 A. I rely --

21 (DIR)

22 MR. GRALEWSKI: Hold on a second. I'm  
23 going to instruct you not to answer that  
24 question as phrased. You're not allowed to tell  
25 him anything that your lawyers told you. Okay?

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2 If you can answer that question carving  
3 out anything that your lawyers told you, you can  
4 answer it. But you're instructed not to divulge  
5 anything that you told your lawyers or your  
6 lawyer told you.

7 A. I rely on my lawyer for that.

8 Q. I can make it an easier question for  
9 you.

10 A. Okay.

11 Q. Which lawyers have told you that you  
12 have been overcharged for CRTs?

13 (DIR)

14 MR. GRALEWSKI: I object to the question  
15 and instruct the witness not to answer that  
16 question.

17 MR. GOLDSTEIN: I can't ask her which  
18 lawyers she spoke to?

19 MR. GRALEWSKI: Counsel, my objection  
20 stands, but I will answer your question this  
21 once. Divulging or answering that question  
22 would necessarily divulge the nature of  
23 communications, so I'm instructing her not to  
24 answer that question as phrased.

25 MR. GOLDSTEIN: The fact of

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2 representation that a conversation occurred is  
3 not privileged.

4 MR. GRALEWSKI: If you would like to ask  
5 another question, please feel free. My  
6 objection stands.

7 You know, just let me hear his question  
8 back just to clarify in my own mind I'm  
9 comfortable with the objection. I'm happy to  
10 withdraw it if the question is proper.

11 (The record was read.)

12 MR. GRALEWSKI: My objection stands.  
13 You're instructed not to answer that question on  
14 the grounds of attorney-client privilege.

15 A. I rely on my lawyers.

16 MR. GRALEWSKI: If I instruct you not to  
17 answer, you don't have to answer the question.

18 Q. Subsequent to the e-mail from Ms. Kern,  
19 did you meet with her?

20 A. No, I did not. I met her once socially  
21 many months after that.

22 Q. Did she -- prior to today, have you met  
23 with Mr. Gralewski?

24 A. Yes.

25 Q. Approximately how many times?



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2 A. How do you define meeting?

3 Q. Well, have you spoken with him on the  
4 phone?

5 A. Yes.

6 Q. Have you met him face-to-face?

7 A. Yes.

8 Q. Were all of those meetings related to  
9 this case?

10 A. Yes.

11 Q. How many face-to-face meetings were  
12 there?

13 A. One.

14 Q. How many phone calls did you have?

15 A. One.

16 Q. Did you have face-to-face meetings with  
17 any lawyers other than Mr. Gralewski to discuss this  
18 case?

19 A. No.

20 Q. Did you have phone calls with any  
21 attorneys other than Mr. Gralewski to discuss this  
22 case?

23 A. Yes.

24 Q. Approximately how many phone calls?

25 A. Three.

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2 Q. Were those with Ms. Kern?

3 A. Yes.

4 Q. Was there anybody else on the phone?

5 A. No. Well, Mr. Gralewski.

6 Q. And when you met with Mr. Gralewski, was  
7 anyone else present?

8 A. No, other than Ms. Kern on the phone.

9 Q. When did you decide to become a  
10 plaintiff in this lawsuit?

11 A. In January 2012.

12 Q. Did you sign a contract or retention  
13 agreement with your attorney?

14 A. I did.

15 Q. Was that with Ms. Kern?

16 A. I did.

17 Q. Did you sign a contract or retention  
18 agreement with Mr. Gralewski?

19 A. I did not.

20 Q. Why do you want to participate in this  
21 lawsuit and come to this fun deposition?

22 A. I believe that there was a conspiracy to  
23 fix the prices of CRTs and to set the production  
24 availability of CRTs, and I believe it was unfair and  
25 against the law.

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2 Q. Have you spoken about your claims in  
3 this case with anyone other than your attorneys?

4 A. I have not.

5 Q. Other than your social meeting with  
6 Ms. Kern, do you have any relationship with any  
7 person employed by any of the plaintiffs' law firms  
8 in this case?

9 A. I do not.

10 Q. Do you know the name of the law firm  
11 that is acting as lead counsel in the indirect  
12 purchaser case?

13 A. Yes.

14 Q. And what is that?

15 A. Trump Alioto Trump Prescott.

16 Q. Have you had any communication with  
17 them?

18 A. Not directly.

19 MR. GOLDSTEIN: You want to take another  
20 short break?

21 MR. GRALEWSKI: Sure.

22 THE VIDEOGRAPHER: Off the record at  
23 12:56 p.m. This is the end of disk 2 of the  
24 deposition of Louise Wood.

25 (There was a luncheon recess taken.)

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2 A F T E R N O O N S E S S I O N

3 THE VIDEOGRAPHER: Going back on the  
4 record at 1:42 p.m. This is the beginning of  
5 disk 3 in the deposition of Louise Wood.

6 L O U I S E W O O D,

7 Having been previously duly sworn was  
8 examined and testified further as follows:

9 EXAMINATION BY

10 MR. GOLDSTEIN:

11 Q. Going back to Exhibit 382 which is a  
12 copy of your Costco receipt which is Bates numbered  
13 CRT 000919.

14 MR. GOLDSTEIN: I just want to note that  
15 I appreciate having the original receipt.  
16 During the break, I made another copy of it  
17 which I think is a little bit better. So I  
18 would like to introduce that and ask the  
19 reporter to mark that. I believe we would be at  
20 383.

21 (Exhibit 383, Copy of Receipt, marked  
22 for identification, as of this date.)

23 Q. Ms. Wood, can you just look at the copy  
24 for a second of Exhibit 383 and tell me, is this a  
25 copy of the same receipt as in -- as you produced by

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2 Bates Nos. CRT 000919 that we discussed earlier as  
3 Exhibit 382?

4 A. Yes, it is.

5 Q. It's a true and correct copy and no  
6 modifications?

7 A. It is a true and correct copy.

8 Q. Everything we discussed about Exhibit  
9 382 applies equally to Exhibit 383?

10 A. Correct.

11 Q. Okay. Thanks.

12 Actually, I have a question about 383  
13 also. I believe it says here toward the bottom  
14 executive members receive approximately 2 percent  
15 back annually and up to \$500 on -- I'm sorry, I can't  
16 read that.

17 Are you able to read that? I believe it  
18 says or \$7.43 on this purchase.

19 Were you, in 2004, an executive member  
20 of Costco?

21 A. I was not the primary holder of the  
22 executive membership.

23 Q. Okay. Do you know if you received 2  
24 percent back on your purchase of the Toshiba  
25 television?

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2 A. I did not.

3 Q. Do you know if the primary holder --

4 THE VIDEOGRAPHER: Off the record, 1:45

5 p.m.

6 (Discussion off the record.)

7 THE VIDEOGRAPHER: Back on the record.

8 1:46 p.m.

9 MR. GRALEWSKI: Sorry, counsel, for that  
10 interruption. It honesty went down the wrong  
11 pipe. I apologize.

12 MR. GOLDSTEIN: Not a problem. I'm glad  
13 you're okay.

14 MR. GRALEWSKI: I'm fine. Thank you.  
15 Please proceed.

16 BY MR. GOLDSTEIN:

17 Q. Ms. Wood, you said you did not receive 2  
18 percent back on the purchase of the Toshiba  
19 television, but you were not the primary account  
20 holder, correct?

21 A. Correct.

22 Q. Do you know if the primary account  
23 holder received 2 percent back?

24 MR. GRALEWSKI: Object to the form.  
25 Calls for speculation, lacks foundation.

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2 A. I do not know.

3 Q. Who is the primary account holder?

4 A. Roberta Portilla.

5 Q. And how do you know Ms. Portilla?

6 A. We're friends since the eighth grade.

7 Q. Are you related at all?

8 A. No.

9 Q. Do you think Ms. Portilla would be able  
10 to tell us if she got 2 percent back on your  
11 purchase?

12 MR. GRALEWSKI: Object to the form.

13 Calls for speculation, lacks foundation.

14 A. I do not know.

15 Q. Is she -- does Ms. Portilla live in New  
16 York?

17 A. No.

18 Q. Where does she live?

19 A. New Jersey.

20 Q. And she is alive and healthy?

21 A. Yes.

22 Q. Are you currently the primary holder of  
23 the Costco membership?

24 A. No.

25 Q. Have you ever been?

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2 A. I believe so.

3 Q. When you were the primary holder, do you  
4 know if you received 2 percent back or any refund on  
5 your purchases?

6 A. I don't remember ever receiving a  
7 refund.

8 Q. I'm going to show you another document  
9 that was marked as Exhibit 36 in a prior deposition.

10 A. Thank you.

11 MR. GRALEWSKI: Thank you.

12 Q. Ms. Wood, have you seen Exhibit 36  
13 before?

14 A. I have.

15 Q. What is it?

16 A. The indirect purchaser plaintiffs'  
17 consolidated amended complaint.

18 Q. If you go to pages -- well, paragraph 19  
19 on page 5, it begins a section called plaintiffs.  
20 And that section continues to paragraph 49 on page 9.

21 Is it correct that your name is not  
22 included as one of the plaintiffs?

23 A. Correct.

24 Q. Do you know why you were not named as a  
25 plaintiff?



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2 A. Because --

3 (DIR)

4 MR. GRALEWSKI: Hold on a second.

5 You're not allowed to tell him anything that  
6 would divulge conversations with attorneys.

7 To the extent you can answer the  
8 question without divulging communications with  
9 your lawyers, please go ahead. Otherwise, I'll  
10 instruct you not to answer.

11 A. I was not aware of this until 2012.

12 Q. We'll go through this quickly.

13 I'm going to show you another document  
14 that was previously marked Exhibit 37 in another  
15 deposition.

16 MR. GRALEWSKI: So you can move that,  
17 maybe keep it in a pile so you don't get  
18 unnecessarily distracted.

19 Q. Have you seen Exhibit 37 before?

20 A. I believe I have.

21 Q. When have you seen it before?

22 A. I believe in August of 2012.

23 Q. How did you come to see it?

24 A. Electronically.

25 Q. It was e-mailed to you?

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2 A. Yes.

3 Q. By whom?

4 (DIR)

5 MR. GRALEWSKI: I instruct you not to  
6 answer on the ground of the attorney-client  
7 privilege.

8 Q. I have to assume it was e-mailed to you  
9 by your attorney.

10 (DIR)

11 MR. GRALEWSKI: Well, that's not what  
12 that instruction means. Well, I'm instructing  
13 the witness not to answer the question on the  
14 grounds of the attorney-client privilege.

15 Q. So what is this document, Ms. Wood?

16 A. Indirect purchaser plaintiffs' second  
17 consolidated amended complaint.

18 Q. And now, if you go again to page 5,  
19 paragraph 19 here, it begins the section called  
20 plaintiffs. And continues on through paragraph 51.

21 Is it correct that you're not named as a  
22 plaintiff here?

23 A. Yes.

24 Q. Is that because you were not aware at  
25 that time that you might have a claim in this case?

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2 A. Yes.

3 Q. Going next to a document that was  
4 previously marked as Exhibit 11 in another  
5 deposition, I think the reporter provided copies she  
6 wanted us to use for that.

7 MR. GRALEWSKI: If you need that, I have  
8 my own copy.

9 MR. GOLDSTEIN: I have a copy, but I  
10 don't have one that was -- the actual marked  
11 copy.

12 MR. GRALEWSKI: You can use that. I  
13 have my own copy. Thank you.

14 Q. Ms. Wood, do you recognize Exhibit 11?

15 A. I do.

16 Q. What is it?

17 A. Indirect purchaser plaintiffs' third  
18 consolidated amended complaint.

19 Q. And have you seen this before?

20 A. I have.

21 Q. When was that?

22 MR. GRALEWSKI: Object to the form.  
23 Vague and ambiguous.

24 Q. When did you first see Exhibit 11?

25 A. I believe in August 2012.

1 Wood - October 15, 2012

2 Q. Was that at the same time as you saw the  
3 previous two documents, Exhibit 36 and 37?

4 A. Yes.

5 Q. And that was the first time you had seen  
6 any of those three documents?

7 A. I cannot say for sure.

8 Q. Do you think you might have seen them  
9 prior to August 2011?

10 A. I might have.

11 Q. Where do you think you might have seen  
12 them?

13 A. They were sent to me electronically.

14 Q. I'll ask again, let your attorney  
15 object, but by whom were they sent to you?

16 (DIR)

17 MR. GRALEWSKI: I instruct you not to  
18 answer on the grounds of attorney-client  
19 privilege.

20 Q. Okay. And then can you look here at  
21 page 5. Again, paragraph 19. The section entitled  
22 plaintiff that continues onto paragraph 50.

23 Is it correct that you are not named as  
24 a plaintiff in this third consolidated amended  
25 complaint?

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2 A. Correct.

3 MR. GOLDSTEIN: I'm going to ask the  
4 reporter to mark another Exhibit here with 384.

5 (Exhibit 384, Indirect Purchaser  
6 Plaintiffs' Notice of Motion and Motion for  
7 Leave to Amend the Complaint, marked for  
8 identification, as of this date.)

9 Q. Ms. Wood, do you recognize Exhibit 384?

10 A. I do not believe I saw this document  
11 previously.

12 Q. So this document says Indirect Purchaser  
13 Plaintiffs' Notice of Motion and Motion for Leave to  
14 Amend the Complaint, and it's dated, filed June 11th,  
15 2012.

16 If you flip through to what would be  
17 page 10, the numbering restart, and there is a new  
18 caption that says Declaration of Robert J. Gralewski  
19 in Support of the Indirect Purchaser Plaintiffs'  
20 Notice of Motion and Motion to Amend the Complaint.

21 A. On page 10?

22 MR. GRALEWSKI: Well, it comes after 9.  
23 And then it's actually page No. 1. It's the  
24 10th page of the document, I believe. May I  
25 help her?

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2 MR. GOLDSTEIN: Yeah.

3 MR. GRALEWSKI: So that's page 9 and  
4 this is the page he's referring to.

5 A. Okay.

6 Q. Take a second to look back.

7 A. I do believe I have seen this document.

8 Q. Okay. Have you seen the -- do you now  
9 think you have seen the entirety of Exhibit 384 or  
10 just from Mr. Gralewski's declaration forward?

11 A. I believe just his declaration forward.  
12 I don't remember the beginning of it.

13 Q. If we could then turn two more pages to  
14 Exhibit A to the declaration.

15 A. Okay.

16 Q. Do you recognize this document that is  
17 Exhibit A?

18 A. I believe I saw the third consolidated  
19 amended complaint, but not the fourth.

20 Q. So you believe you have not seen this?

21 A. I'm not sure.

22 Q. Do you know whether your name appears in  
23 the fourth consolidated amended complaint?

24 A. I rely on counsel for that.

25 Q. Are you relying on counsel to -- as to

1 Wood - October 15, 2012

2 whether or not to include your name in the complaint?

3 MR. GRALEWSKI: Object to the form.

4 Vague and ambiguous.

5 A. Yes.

6 Q. Are you -- so you relied upon counsel to  
7 determine whether to bring a claim in this case?

8 MR. GRALEWSKI: Object to the form.

9 Misstates testimony, vague and ambiguous.

10 A. I rely on counsel for that.

11 Q. Although you're not sure if you have  
12 seen this fourth consolidated amended complaint, do  
13 you know if you were involved in drafting it?

14 A. I was not.

15 Q. Can you please turn to page 8 of the  
16 proposed fourth consolidated amended complaint,  
17 paragraph 41.

18 Paragraph 41 says "Plaintiff Louise Wood  
19 is a New York resident. During the relevant period,  
20 Ms. Wood indirectly purchased CRT products from one  
21 or more of the defendants or their co-conspirators  
22 and had been injured by reason of the antitrust  
23 violations alleged in this complaint."

24 That's what it says, correct?

25 A. Correct.

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2 Q. And you understand that Louise Wood to  
3 be you?

4 A. Correct.

5 Q. Do you believe that statement to be  
6 true?

7 A. Yes, I do.

8 Q. Do you believe all of the statements  
9 contained in the complaint to be true?

10 A. I rely on counsel for that.

11 Q. Do you have any independent knowledge of  
12 any of the statements in the complaint?

13 A. No.

14 Q. Do you know the sources of information  
15 contained in the complaint?

16 A. I rely on counsel for that.

17 Q. Did you ask your attorneys if you could  
18 review any of the sources of information?

19 (DIR)

20 MR. GRALEWSKI: Object, and instruct you  
21 not to answer on the grounds of the  
22 attorney-client privilege.

23 Q. What did you do to confirm that the  
24 facts alleged in the complaint were true before it  
25 was filed?



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2 MR. GRALEWSKI: And you can answer that  
3 question except that in answering it, you're not  
4 allowed to divulge any communications you had  
5 with your lawyers. Just tell him about anything  
6 else that you may or may not have done.

7 A. I verified that Chunghwa had settled --

8 Q. Did you do anything else?

9 A. -- by reading it. And that was it.

10 Q. What did you read to verify that  
11 Chunghwa had settled?

12 A. I Googled it.

13 Q. And when you Googled it, did you find --  
14 what sorts of sources did you find?

15 A. I believe it said that they settled for  
16 \$10 million against indirect purchasers of CRTs.

17 Q. Did you find news articles, press  
18 releases; what sort of document told you this?

19 A. I believe there were several articles.

20 Q. So I believe you said before that you  
21 had not seen this document before.

22 MR. GRALEWSKI: Object to the form.  
23 Misstates testimony, vague and ambiguous,  
24 compound.

25 Q. I believe your prior testimony was that

1 Wood - October 15, 2012

2 you had not seen the --

3 A. I'm not sure if I saw the fourth. I  
4 know I saw the third.

5 Q. Okay.

6 A. They all look the same to me.

7 Q. I note another document here which I'll  
8 ask the reporter to mark as Exhibit 385.

9 (Exhibit 385, Indirect Purchaser  
10 Plaintiffs' Notice of Motion and Motion for  
11 Leave to Amend Complaint; Memorandum of Points  
12 and Authorities in Support Thereof, marked for  
13 identification, as of this date.)

14 Q. Ms. Wood, have you ever seen this  
15 document before?

16 A. Yes, I believe I have.

17 Q. What is this document?

18 A. Indirect Purchaser Plaintiffs Notice of  
19 Motion and Motion for Leave to Amend Complaint;  
20 Memorandum of Points and Authorities in Support  
21 Thereof.

22 Q. And when was it filed?

23 A. It was filed August 22nd, 2012.

24 Q. Have you seen all of this document  
25 including the memorandum of points and authorities

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2 which is on the page 4, using the page numbers to the  
3 top of the document?

4 MR. GRALEWSKI: You know, I apologize.  
5 Can you say that again. You had me confused,  
6 too. Just one more time. I was looking at  
7 something else.

8 Q. The question was, Ms. Wood, have you  
9 seen all of this document in addition to the motion  
10 of the -- the notice of the motion at the beginning?

11 There are several attachments and  
12 exhibits to this document. Have you seen them all?

13 MR. GRALEWSKI: Okay. I'm going to  
14 object as vague and ambiguous and compound.

15 MR. GOLDSTEIN: I'll go back to the  
16 original question, then.

17 MR. GRALEWSKI: I thought you said  
18 something about --

19 MR. GOLDSTEIN: On page 4, using the  
20 page numbers at the top of the document. That's  
21 what got you.

22 MR. GRALEWSKI: Yes. So thank you very  
23 much. Using the page numbers at the top  
24 right-hand corner, correct?

25 There we go.

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2 Q. So page 4 of 12, memorandum of  
3 authorities.

4 MR. GRALEWSKI: So it's hidden by a  
5 clip. All right. Here we go. Cooking with  
6 gas, now.

7 A. Yes.

8 Q. Okay. And moving farther into the  
9 document, after page 12, the numbering resumes again.  
10 Page 1 of 109.

11 MR. GRALEWSKI: Again, are you talking  
12 about the top right?

13 MR. GOLDSTEIN: At the top right corner.

14 MR. GRALEWSKI: So he wants you to look  
15 for page 1 of 109 up here.

16 A. Page --

17 MR. GRALEWSKI: Go to page 1 of 109.

18 THE WITNESS: That's page 5 of 109.

19 MR. GRALEWSKI: Keep going.

20 THE WITNESS: Sorry.

21 MR. GRALEWSKI: That's okay.

22 Q. Have you seen this before, Ms. Wood?

23 A. I don't know if I have seen Mr. Alioto's  
24 document.

25 Q. Going ahead to where you just where,

1 Wood - October 15, 2012  
2 page 5 of 109 which is Exhibit A to Mr. Alioto's  
3 declaration, please take a second to look at Exhibit  
4 A and let me know if you have seen that document  
5 before.

6 A. I have seen this document, the fourth  
7 consolidated amended complaint, beginning on page 5.

8 Q. Is your understanding that this fourth  
9 consolidated amended complaint in Exhibit 385 is  
10 different than the proposed fourth amended complaint  
11 in Exhibit 384 that we discussed a moment ago?

12 A. I don't know.

13 Q. When did you first see the fourth  
14 consolidated amended complaint in Exhibit 385?

15 A. I believe in October.

16 Q. In October of 2012?

17 A. Yes.

18 Q. So is that after this document was filed  
19 with the clerk?

20 A. Yes.

21 Q. So prior to October 2012, you hadn't  
22 seen either the -- you hadn't seen the fourth  
23 consolidated amended complaint?

24 MR. GRALEWSKI: Objection to the form.

25 Vague and ambiguous and asked and answered.

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2 A. I rely on my lawyer for that.

3 Q. You do not have an independent memory of  
4 whether you saw the document?

5 A. I reviewed many documents. I do not  
6 know the exact dates.

7 Q. But you do not believe you reviewed this  
8 document prior to October 2012?

9 A. I do not believe so.

10 Q. Do you know whether your name appears in  
11 the draft complaint in Exhibit 385?

12 A. I do not know, but I do not believe so.

13 Q. Did you have any involvement in drafting  
14 the fourth consolidated amended complaint?

15 A. No, I did not.

16 Q. Do you intend to -- sorry. Strike that.

17 Please turn to paragraph 40 of the  
18 fourth consolidated amended complaint.

19 A. Page 40 of 109?

20 Q. I'm sorry, paragraph 40.

21 MR. GRALEWSKI: So it's at page 15 of  
22 109. And paragraph 40, right?

23 A. Okay. Yes, there I am.

24 Q. Okay. Can you tell me what paragraph 40  
25 says.

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2 A. "Plaintiff Louise Wood is a New York  
3 resident. During the relevant period, Ms. Wood  
4 indirectly purchased CRT products by one or more of  
5 the defendants or their conspirators and has been  
6 injured by the alleged antitrust violation in this  
7 complaint."

8 Q. Your understanding is that Louise Wood  
9 is you?

10 A. Yes.

11 Q. And is it your intent to file this  
12 fourth amended -- fourth consolidated amended  
13 complaint if given leave by the court to do so?

14 A. Yes.

15 Q. Do you believe the statements contained  
16 in the complaint are true?

17 A. I rely on my lawyer for that.

18 Q. Are there any statements in the  
19 complaint for which you have independent knowledge  
20 beyond relying on your lawyer?

21 A. Other than what I previously mentioned,  
22 no.

23 Q. By what you previously mentioned, are  
24 you referring to reviewing the Google search about  
25 Chunghwa --

1 Wood - October 15, 2012

2 A. Correct.

3 Q. Nothing other than that?

4 A. No.

5 Q. So what is your knowledge of the  
6 allegations in this complaint?

7 MR. GRALEWSKI: I object to the form.

8 Vague and ambiguous, asked and answered.

9 A. I rely on my lawyer for that.

10 Q. Are you saying that you have no  
11 knowledge beyond what your lawyer has told you?

12 MR. GRALEWSKI: Object to the form.

13 Misstates testimony, mischaracterizes --

14 misstates testimony, vague and ambiguous.

15 A. As I earlier stated, my knowledge is  
16 related to the Chunghwa settlement.

17 Q. Without divulging anything, any  
18 privileged communications with your lawyer, what is  
19 your understanding of the legal claims being made in  
20 the complaint?

21 MR. GRALEWSKI: Object to the form.

22 Asked and answered.

23 A. That there was conspiracy to set the  
24 price of CRTs by the manufacturers of the CRTs and to  
25 limit the production of CRTs.



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2 Q. Do you know where the lawsuit is now  
3 pending?

4 MR. GRALEWSKI: I didn't catch that,  
5 counsel.

6 MR. GOLDSTEIN: Do you know where the  
7 lawsuit is now pending?

8 MR. GRALEWSKI: Thank you.

9 A. It's pending in San Francisco.

10 Q. Is it State or Federal Court?

11 A. It's Federal, I believe.

12 Q. What are you hoping to get out of this  
13 lawsuit?

14 A. Fair and equitable payment for the  
15 overcharge that I paid.

16 Q. Was this complaint only filed or -- is  
17 it intended to be filed only on behalf of individual  
18 plaintiffs listed here or on behalf of a class?

19 MR. GRALEWSKI: Object to the form.

20 Vague, ambiguous, confusing, misleading,  
21 compound. Sorry. You can answer.

22 A. I believe the class action status is  
23 still pending.

24 Q. Do you know how the proposed class is  
25 defined?

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2 A. I rely on my lawyer for that.

3 Q. And is it your intention to sue each of  
4 the defendants listed in this complaint?

5 A. I rely on my lawyer for that.

6 Q. Is it your intent to sue anyone with  
7 this complaint?

8 A. Yes.

9 Q. And whom do you intend to sue?

10 A. I rely on my lawyer for that.

11 Q. Did you have any input in deciding which  
12 defendants to include in this complaint?

13 A. I did not.

14 Q. Is it your contention that each of the  
15 defendants listed in this complaint was involved in a  
16 conspiracy?

17 A. I rely on my lawyer for that.

18 Q. Do you believe that other companies  
19 besides those listed in the complaint were involved  
20 in the conspiracy?

21 A. I rely on my lawyer for that.

22 Q. Let's -- can you take a look at  
23 paragraphs 19 through 48 which is the section --  
24 Section 4, plaintiffs.

25 Paying attention to the names of the

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2 other plaintiffs listed here, do you know any of  
3 them?

4 A. I do not.

5 Q. Have you ever had any discussions with  
6 any of them?

7 A. No.

8 Q. We discussed this a little bit earlier,  
9 but do you know what the time period covered by this  
10 complaint is for which you are alleging harm?

11 A. March 1, 1995 until November 25, 2007.

12 Q. Did you play any role in deciding that  
13 class period?

14 A. I did the not.

15 Q. Without divulging anything, any  
16 privileged communication, do you know why this class  
17 period was chosen?

18 A. I do not.

19 Q. So turning to paragraph 1 of the  
20 complaint, it says "Defendants conspired to fix --

21 MR. GRALEWSKI: Counsel, just a sec.

22 Because we're both confused about where to turn.

23 MR. GOLDSTEIN: Page 8 of 109.

24 MR. GRALEWSKI: You know, there's two  
25 complaints attached to this document. So you

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2 want her to turn to the first one, to page 8 of  
3 109, correct? Wherever you want us to turn is  
4 fine. I just want to make sure we're both --  
5 all three of us are on the same page, literally,  
6 and I'm confused. So I can only imagine, you  
7 know, with all the paper in front of the  
8 witness -- I just want to make sure that she is  
9 looking at what you want her to look at.

10 MR. GOLDSTEIN: That's a fair point.  
11 Actually, let's jump to the other, fourth.

12 MR. GRALEWSKI: So that's 8 of 108?

13 MR. GOLDSTEIN: Yes.

14 MR. GRALEWSKI: So the back half of this  
15 document is what he is referring to.

16 THE WITNESS: Oh, okay.

17 MR. GRALEWSKI: Now. I mean, I don't  
18 know what he -- now we're going to look at page  
19 what?

20 THE WITNESS: Page 8.

21 MR. GRALEWSKI: Page 8 of 108. Okay.

22 MR. GOLDSTEIN: Actually, let's go to  
23 page 1 of 108 first.

24 MR. GRALEWSKI: So page 1 of 108. It  
25 says proposed reporting recommendation.

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2 MR. GOLDSTEIN: Yes.

3 MR. GRALEWSKI: Okay. Do you have that?

4 THE WITNESS: Yes.

5 Q. Proposed report and recommendation of  
6 indirect purchaser plaintiffs' motion for leave to  
7 amend the complaint.

8 Ms. Wood, have you seen this proposed  
9 report and recommendation before which is also part  
10 of Exhibit 385 that we've been discussing?

11 A. I'm not sure.

12 Q. Turning two pages to Exhibit A to the  
13 proposed report and recommendation which is page 4 of  
14 108, Exhibit page numbers in the top right.

15 MR. GRALEWSKI: He wants you to turn to  
16 page 4 of 108.

17 THE WITNESS: Okay.

18 MR. GRALEWSKI: That's where you should  
19 be.

20 THE WITNESS: Okay.

21 MR. GRALEWSKI: Do you mind if I --

22 MR. GOLDSTEIN: Yeah, please.

23 MR. GRALEWSKI: So that's where he wants  
24 you to turn.

25 THE WITNESS: Okay.

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2 Q. Can you look at Exhibit A for a second.  
3 Please feel free to flip through.

4 A. Okay.

5 Q. Is your understanding that -- sorry.  
6 Strike that.

7 What is Exhibit A to the proposed report  
8 and recommendation?

9 A. I'm sorry?

10 Q. What is Exhibit A?

11 A. The indirect purchaser plaintiffs'  
12 fourth consolidated amended complaint.

13 Q. And is your understanding that this is  
14 the same as the indirect purchaser plaintiffs' fourth  
15 consolidated amended complaint that appears earlier  
16 in Exhibit 385?

17 A. I'm sorry. I'm not following you.

18 Q. This document is a little complicated.

19 So there are two copies of the indirect  
20 purchaser plaintiffs' fourth consolidated amended  
21 complaint --

22 A. Okay.

23 Q. -- in this document. Previously, we  
24 were discussing one that was attached to a  
25 declaration of Mario Alioto. Now we're discussing

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2 one that is attached to a proposed report and  
3 recommendation.

4 Is your understanding that these two  
5 drafts of the fourth consolidated amended complaint  
6 are substantively identical?

7 MR. GRALEWSKI: Object to the form of  
8 the question. Vague, ambiguous, compound,  
9 confusing.

10 A. I rely on my lawyer for that.

11 Q. We'll go through this again.

12 Have you seen the fourth consolidated  
13 amended complaint that is attached to the proposed  
14 report and recommendation before?

15 A. Yes.

16 Q. Is it your intent to file this complaint  
17 if given leave by the court to do so?

18 A. Yes.

19 Q. When did you first see this fourth  
20 consolidated amended complaint?

21 A. In October.

22 Q. And that's after this complaint was  
23 filed with the court?

24 A. Yes.

25 MR. GRALEWSKI: Object to the form.

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2 Lacks foundation.

3 Q. Do you know when this fourth  
4 consolidated amended complaint was filed with the  
5 court?

6 MR. GRALEWSKI: Object to the form.  
7 Lacks foundation, vacuous, misleading and  
8 confusing.

9 A. August 22nd, 2012.

10 Q. Do you know if your name appears in this  
11 fourth proposed consolidated amended complaint?

12 A. It does.

13 Q. Okay. Let's turn to paragraph 1 of the  
14 proposed fourth amended consolidated complaint.

15 MR. GRALEWSKI: And that's -- at the top  
16 it says page 8 of 101, correct?

17 MR. GOLDSTEIN: 8 of 108.

18 MR. GRALEWSKI: I'm sorry. 8 of 108.

19 Thank you.

20 Q. Okay. Here in paragraph 1, it states  
21 "Defendants conspired to fix, raise, maintain, and/or  
22 stabilize prices of CRTs sold in the United States."

23 Do you have any personal knowledge  
24 supporting that allegation?

25 A. I rely on my lawyers for that.



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2 Q. Does that mean that you do not have  
3 personal knowledge other than what your lawyers have  
4 told you?

5 A. I have the knowledge that Chunghwa  
6 pleaded guilty. Well, actually, Chunghwa was settled  
7 and Samsung pleaded guilty.

8 Q. Did you do any independent research to  
9 verify that Samsung SDI had pleaded guilty?

10 A. I did not.

11 Q. When did you Google Chunghwa's  
12 settlement?

13 (MKD)

14 MR. GRALEWSKI: I object to the form.  
15 Asked and answered. I would like the section in  
16 the transcript marked, please. You can answer  
17 the question.

18 A. October 2012.

19 Q. So other than Googling Chunghwa's  
20 settlement, you have done no independent research to  
21 verify the allegations in the complaint?

22 A. I have not.

23 Q. Let's turn to paragraph 223 of this  
24 fourth consolidated amended complaint which is  
25 proposed --

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2 MR. GRALEWSKI: That's at page --

3 THE WITNESS: 58.

4 MR. GRALEWSKI: And at the top, it's 58  
5 of 108, yeah.

6 THE WITNESS: Yeah.

7 Q. Paragraph 223 says in its entirety  
8 "Defendants' conspiracy to fix, raise, maintain and  
9 stabilize the price of CRT products at artificial  
10 levels resulted in harm to plaintiffs and the  
11 indirect purchaser consumer classes alleged herein  
12 because it resulted in their paying higher prices for  
13 CRT products than they would have paid in the absence  
14 of defendants' conspiracy. The entire overcharge at  
15 issue was passed onto plaintiffs and members of the  
16 indirect purchaser classes. As the DOJ acknowledged  
17 in announcing the indictment of defendant Chunghwa's  
18 former chairman and CEO, this conspiracy harmed  
19 countless Americans who purchased computers and  
20 televisions using cathode ray tubes sold at fixed  
21 prices."

22 Ms. Wood, when it states the entire  
23 overage is passed onto plaintiffs and members of  
24 indirect purchaser classes, what is the overcharge  
25 issue?

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2 MR. GRALEWSKI: Object to the form.

3 Calls for legal and expert testimony. You can  
4 answer.

5 A. I do not know the amount.

6 Q. Do you know if the overcharge is on CRTs  
7 or on products containing CRTs?

8 A. On the overcharge of CRTs.

9 Q. Do you think Costco, from what you  
10 purchased here, Toshiba TV, may have made less profit  
11 because of the alleged conspiracy between  
12 manufacturers of CRTs?

13 MR. GRALEWSKI: Object to the form.

14 Calls for legal and expert testimony, calls for  
15 speculation.

16 A. I would just be conjecturing.

17 Q. Have you attempted to recover the  
18 overcharge from any party other than the defendants?

19 A. I have not.

20 Q. And what amount do you believe you were  
21 damaged by the alleged conspiracy?

22 MR. GRALEWSKI: Object to the form.

23 Asked and answered.

24 A. I do not know.

25 Q. Have you ever read any articles in the

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2 media or elsewhere about products containing CRTs at  
3 any time during the relevant period?

4 A. I do not remember.

5 Q. Do you read any business journals or  
6 newspapers?

7 A. I do.

8 Q. Which ones?

9 A. The New York Times and The Wall Street  
10 Journal.

11 Q. Did you have subscriptions to those or  
12 read them regularly all the way from 1995 through  
13 2007?

14 A. I had subscriptions from time to time to  
15 either publication.

16 Q. Are there years where you did not read  
17 The New York Times?

18 A. No.

19 Q. Are there years where you did not  
20 regularly read the Wall Street Journal?

21 A. Yes.

22 Q. Which years are those?

23 A. I do not remember.

24 Q. Is it correct that you don't recall  
25 reading anything about CRTs or CRT product prices

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2 during that time?

3 MR. GRALEWSKI: Object to the form.

4 Asked and answered.

5 A. I do not remember reading articles on  
6 CRTs.

7 Q. Please turn to paragraph 292 of the  
8 proposed fourth amended complaint. 292 says  
9 "Plaintiffs and the members of the classes did not  
10 discover and could not discover through the exercise  
11 of reasonable diligence that defendants were  
12 violating the law as alleged here until shortly  
13 before this litigation was commenced."

14 What prevented you from discovering the  
15 existence of the alleged conspiracy until shortly  
16 before this litigation commenced?

17 A. It was not something I was following.

18 Q. Do you think if you were following it,  
19 you would have discovered the same facts?

20 MR. GRALEWSKI: Object to the form.

21 Calls for legal testimony.

22 A. I do not know.

23 Q. Did you take any steps to discover the  
24 alleged conspiracy prior to when this litigation was  
25 commenced?

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2 A. No.

3 Q. What's your understanding of the phrase  
4 reasonable diligence in paragraph 292?

5 MR. GRALEWSKI: Object to the form.

6 Calls for a legal conclusion.

7 A. Reasonable diligence would only have  
8 meant read articles. That would have been the only  
9 diligence.

10 Q. So if there were articles available  
11 giving evidence of the alleged conspiracy, you could  
12 have -- one could reasonably have discovered them?

13 MR. GRALEWSKI: Object to the form.

14 Lacks foundation, calls for a legal conclusion,  
15 argumentative, compound.

16 A. If I was following it and if there was  
17 documentation, then there could have been diligence.

18 Q. Can you turn to paragraph 196 of the  
19 complaint, the proposed fourth amended complaint.

20 A. 196?

21 Q. Yes.

22 A. Okay.

23 MR. GRALEWSKI: Just so we're on the top  
24 number, what is the top number?

25 THE WITNESS: 54.

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2 MR. GOLDSTEIN: Yeah, correct. 54 on  
3 the top and then on the bottom, it's page 47 on  
4 the proposed complaint itself.

5 Q. Ms. Wood, can you read 196.

6 A. "After experiencing over supply of  
7 17-inch CRTs in the second half of 1999, the average  
8 selling price of CRTs rose again in early 2000. A  
9 March 13th, 2000 article in Info Tech Weekly quoted  
10 an industry analyst as saying that this price  
11 increase was unlike most other PC-related products."

12 Q. Have you ever read an issue of Info Tech  
13 Weekly?

14 A. Never.

15 Q. Was this article publically-available in  
16 March 2000?

17 A. Yes.

18 Q. And you said you haven't read the  
19 publication.

20 You didn't read this particular article,  
21 either?

22 A. I did not.

23 Q. Does the price increase in CRTs that  
24 this article is discussing suggest that there may  
25 have been a price fixing conspiracy?

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2 MR. GRALEWSKI: Object to the form.

3 Calls for a legal conclusion.

4 A. It is unclear.

5 Q. Let's move to paragraph 202 on the next  
6 page.

7 Can you read paragraph 202, please.

8 A. "During the class period, there were not  
9 only periods of unnatural and sustained price  
10 stability, but there were also increases in prices of  
11 CRT products. These price increases were despite the  
12 declining demand due to the approaching obsolescence  
13 of CRT products caused by the emergence of a new  
14 potentially superior and clearly more popular  
15 suitable technology."

16 Putting aside what your lawyers have  
17 told you, do you have any personal understanding of  
18 what unnatural and sustained price stability means?

19 MR. GRALEWSKI: Object to the form.

20 Calls for a legal conclusion.

21 A. I'm relying on counsel for that.

22 Q. Does it refer to the prices that  
23 manufacturers charge their customers, that CRT  
24 manufacturers charge their customers?

25 MR. GRALEWSKI: Object to the form.



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2 Calls for a legal conclusion.

3 A. I believe it refers to the prices of the  
4 CRTs.

5 Q. Do you know if this information was  
6 publicly available at any time between 1995 and 2007?

7 MR. GRALEWSKI: Object to the form.  
8 Vague and ambiguous.

9 A. I do not know.

10 Q. Do you have any reason to believe that  
11 information about CRT pricing was not available  
12 between 1995 and 2007?

13 MR. GRALEWSKI: Object to the form.  
14 Vague and ambiguous.

15 A. I rely on counsel for that.

16 Q. Prices of CRT TVs are public, correct?

17 A. Correct.

18 MR. GRALEWSKI: Object to the form.  
19 Vague and ambiguous.

20 Q. Retail prices of CRT TVs are public,  
21 correct?

22 A. Are public, was that the question?

23 Q. Yes.

24 A. Yes.

25 Q. So if there were a period of sustained

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2 price stability with regard to CRT TVs, that would  
3 have been public, correct?

4 MR. GRALEWSKI: Object to the form.

5 Lacks foundation, calls for speculation, calls  
6 for legal testimony, conclusion.

7 A. Could you please repeat the question.

8 Q. If there was a period of sustained price  
9 stability with regard to televisions, would that be  
10 public?

11 A. I do not know.

12 Q. Next paragraph, paragraph 2 of 3, can  
13 you read that, Ms. Wood.

14 A. "These price increases and price  
15 stability in the market for CRT products during the  
16 class period are inconsistent with the competitive  
17 market for a product facing rapid decreasing demand  
18 caused by a new substitutable technology."

19 Q. Why do you think there were price  
20 increases during the class period?

21 A. Because there was price fixing.

22 Q. You say in the complaint that price  
23 increases and price stability are inconsistent with  
24 the competitive market for a product facing rapidly  
25 decreasing demand.

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2 What would be consistent with a  
3 competitive market for a product facing rapidly  
4 decreasing demand?

5 MR. GRALEWSKI: Object to the form.

6 Calls for legal and expert testimony.

7 A. I would expect the price to decrease.

8 Q. So you're saying that if the price of  
9 TVS decreased over the class period, that would be  
10 evidence of a competitive market?

11 MR. GRALEWSKI: Object to the form.

12 Calls for legal and expert testimony.

13 A. I rely on counsel for that.

14 Q. But you would expect in a competitive  
15 market the prices to go down?

16 MR. GRALEWSKI: Object to the form.

17 Asked and answered, calls for legal and expert  
18 testimony.

19 A. I would expect that with new technology  
20 available in the market, that the price, the prices  
21 of certain products, would go down.

22 Q. And is your understanding that the  
23 purpose of the alleged Cartel was to raise prices?

24 A. To fix prices.

25 Q. So to fix, but not necessarily to raise?

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2 A. To fix and increase prices.

3 Q. So the purpose of the Cartel was not to  
4 decrease prices?

5 A. I do --

6 MR. GRALEWSKI: Object to form. Asked  
7 and answered.

8 A. I do not believe so.

9 Q. If prices decreased over the class  
10 period, would that indicate to you that the alleged  
11 Cartel was ineffective or didn't exist?

12 MR. GRALEWSKI: Object to the form.  
13 Calls for legal and expert testimony.

14 A. Not necessarily.

15 Q. What would it indicate to you?

16 MR. GRALEWSKI: Object to the form.  
17 Calls for legal and expert testimony.

18 A. I rely on counsel for that.

19 MR. GOLDSTEIN: We can take a break now.  
20 Off the record.

21 THE VIDEOGRAPHER: Going off the record,  
22 2:57 p.m. This is the end of disk 3 in the  
23 deposition of Louise Wood.

24 (There was a recess taken.)

25 THE VIDEOGRAPHER: Going back on the

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2 record at 3:07 p.m. This is the beginning of  
3 disk 4 in the deposition of Louise Wood.

4 BY MR. GOLDSTEIN:

5 Q. Ms. Wood, are you sitting as the class  
6 representative in this case?

7 A. I am.

8 Q. What is your understanding of the  
9 obligations of a class representative in a class  
10 action?

11 A. That I will represent them to the best  
12 of my ability, and that I will review any decisions  
13 that are made.

14 Q. Do you think you've been fulfilling that  
15 role adequately thus far?

16 A. I do.

17 Q. Is the -- what decisions have you  
18 reviewed so far?

19 A. There haven't been any decisions.

20 Q. If any.

21 A. None.

22 Q. Is a class representative entitled to  
23 compensation for serving in that role?

24 A. No.

25 Q. Have you been promised anything for

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2 bringing this lawsuit?

3 A. No.

4 Q. Are you now or have you ever been a  
5 class representative before?

6 A. No.

7 Q. Have you ever been a party in any other  
8 lawsuit?

9 A. No.

10 Q. Neither as a plaintiff nor as a  
11 defendant?

12 A. No.

13 Q. I believe you testified earlier that you  
14 have a retention agreement with Ms. Kern; is that  
15 correct?

16 A. Correct.

17 (REQ)

18 MR. GOLDSTEIN: I believe we've been  
19 putting on the record in all or most of these  
20 depositions that we would ask the retention  
21 agreements to be produced.

22 Q. According to your retention agreement,  
23 who is responsible for the attorney's fees?

24 MR. GRALEWSKI: Let me think about that  
25 question for a second. Can you read it back.

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2 (The record was read.)

3 (DIR)

4 MR. GRALEWSKI: I'm going to instruct  
5 her not to answer that question as phrased on  
6 the grounds of the attorney-client privilege.  
7 You can rephrase it if you'd like.

8 Q. Ms. Wood, are you responsible for paying  
9 your attorney's fees in this matter?

10 A. No, I believe not.

11 Q. How are your attorneys paid?

12 A. They are paid on a contingency.

13 Q. Who's responsible or are you responsible  
14 for your attorneys's litigation costs in this matter?

15 A. No, I am not.

16 Q. Are you responsible for paying any  
17 monies for fees, costs or anything else to your  
18 attorneys?

19 A. No, I am not.

20 Q. Have your attorneys given you any money?

21 A. No.

22 Q. Have they promised you any money?

23 A. No.

24 Q. Is one of your obligations as class  
25 representative to preserve documents in your

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2 possession that could potentially be relevant to this  
3 case?

4 A. Yes.

5 Q. Since you initiated this lawsuit, have  
6 you destroyed or altered any documents related to  
7 this case in any way?

8 A. No.

9 Q. I'd like you to look at an exhibit that  
10 was previously marked as Exhibit 38 in another  
11 deposition.

12 Ms. Wood, have you seen this document  
13 before?

14 A. Yes.

15 Q. And what is it?

16 A. Samsung SDI Company Limited's First Set  
17 of Requests for Production of Documents to New  
18 Indirect Purchaser Plaintiffs.

19 Q. Is your understanding that this request  
20 applies to you?

21 A. Yes.

22 Q. Did you search for documents in response  
23 to these requests?

24 A. I did.

25 Q. Did you find documents that were



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2 responsive to these requests?

3 A. I did.

4 Q. Does that include the receipt that was  
5 previously produced to us and has been marked as  
6 Exhibit 382?

7 A. Yes.

8 Q. Did you locate any other documents that  
9 were responsive to this request?

10 A. I was not able to locate any other  
11 documents.

12 Q. Where did you search for documents?

13 A. In my apartment.

14 Q. About how long did you take to conduct  
15 the search?

16 A. 45 minutes.

17 Q. Is there any place that might have  
18 documents potentially responsive that you didn't  
19 search?

20 A. No.

21 Q. Not your office?

22 A. No.

23 Q. I'm going to show you another document  
24 that was previously marked in another deposition as  
25 Exhibit 39.

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2 Ms. Wood, have you seen this Exhibit 39  
3 before?

4 A. Yes.

5 Q. And what is it?

6 A. Toshiba America Information Systems  
7 Inc.'s First Set of Interrogatories to Indirect  
8 Purchaser Plaintiffs.

9 Q. Did you do anything to respond to these  
10 interrogatories?

11 A. I rely on counsel for that.

12 MR. GRALEWSKI: Object to the form.  
13 Vague and ambiguous.

14 Q. Do you remember when you first saw these  
15 interrogatories?

16 A. I believe in July.

17 Q. Do you understand that these  
18 interrogatories apply to you or asked of you?

19 A. Yes.

20 Q. Did you respond to these  
21 interrogatories?

22 A. I rely on counsel for that.

23 Q. I show you another exhibit that was  
24 previously marked in a prior deposition as Exhibit  
25 40.

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2 Ms. Wood, do you recognize this document  
3 that's titled New Indirect Purchaser Plaintiffs'  
4 Objections and Responses to Defendant Toshiba  
5 Information America's First Set of Interrogatories?

6 A. Yes.

7 MR. GOLDSTEIN: I'm also going to  
8 introduce -- I think we can do these quickly.

9 I ask the reporter to mark as -- I think  
10 we're up to 386. 386, this document which is  
11 Toshiba Exhibit A 33 through A 40.

12 (Exhibit 386, Toshiba Exhibits A 33  
13 through A 40, marked for identification, as of  
14 this date.)

15 And then as 387, we're going to mark  
16 Toshiba Exhibit B 33 through B 40.

17 (Exhibit 387, Toshiba Exhibits B 33  
18 through B 39 and A 40, marked for  
19 identification, as of this date.)

20 MR. GOLDSTEIN: Then as 388, we have  
21 Toshiba Exhibit C 33 through C 40.

22 (Exhibit 388, Toshiba Exhibit C 33  
23 through C 39 and C 40, marked for  
24 identification, as of this date.)

25 Q. Ms. Wood, do you recognize Exhibits 386,

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2 387 and 388?

3 A. Yes, I do.

4 Q. And what are they?

5 A. They are my verifications. I don't  
6 know -- they're exhibits for both Toshiba -- from my  
7 Toshiba Exhibit A 37.

8 Q. Is that Exhibit 386 is the -- scratch  
9 that.

10 A. I'm sorry, go ahead.

11 Q. I'm sorry. Are these exhibits a  
12 supplement to Exhibit 40 which is the New Indirect  
13 Purchaser Plaintiffs' Objections and Responses to  
14 Defendant Toshiba America Information Systems Inc.'s  
15 First Set of Interrogatories?

16 A. Yes, they are.

17 Q. And do they -- do Exhibits 386 all  
18 through 388 contain your answers to Toshiba's  
19 interrogatories which were contained in Exhibit 39 in  
20 this case?

21 A. Yes, they do.

22 Q. Were you involved in preparing these  
23 answers?

24 A. I did not prepare the documents.

25 Q. Did you provide information used to

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2 prepare the documents?

3 A. Yes, I did.

4 Q. To whom?

5 A. To my attorney.

6 Q. What did you do to gather the

7 information you provided to your attorney to respond

8 to the interrogatories?

9 A. I was asked questions and I responded.

10 MR. GRALEWSKI: Hold it. In answering  
11 the question, you're instructed not to divulge  
12 either what lawyers may have told you or asked  
13 you or what you told your lawyers. So if you  
14 can answer the question without doing that, I'll  
15 instruct you to do that. And if you can't  
16 answer the question, you can tell counsel that  
17 you can't answer the question. But you can't  
18 tell him what you and your lawyers discussed.  
19 You want the question read back?

20 THE WITNESS: Please.

21 MR. GRALEWSKI: Could you read back the  
22 question, madam court reporter.

23 (The record was read.)

24 A. I responded to my attorney's questions.

25 Q. Looking at Exhibit 386, page 5 is

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2 Toshiba Exhibit A 37.

3 A. I'm sorry, which one is 386?

4 MR. GRALEWSKI: 386 is this one.

5 I would like to note for the record that

6 the court reporter should stamp the front of

7 386, 387 and 388 at the end of the deposition.

8 They were mistakenly stamped on the last page.

9 Thank you.

10 He wants you to look at -- yeah. You

11 got it.

12 Counsel, were you on the telephone

13 during the Washington D.C. deposition on

14 Thursday when I discussed the issue of the

15 exhibit numbers in the formal written responses

16 with counsel at White and Case?

17 MR. GOLDSTEIN: I do not believe I was.

18 MR. GRALEWSKI: Okay. We provided

19 interrogatory responses on behalf of the newest

20 group of plaintiffs to Eva Cole a couple --

21 three weeks ago, I forget exactly when. In

22 connection with doing that, we did not also

23 produce new formal written responses. But the

24 exhibits that we produced on behalf of the

25 plaintiffs are addendums to the previous written

1 Wood - October 15, 2012  
2 responses, and I discussed that on the record  
3 with counsel from White and Case last Thursday.  
4 MR. GOLDSTEIN: So you're essentially  
5 stipulating that these -- you know, her answer  
6 in Exhibit A 37 is her response to interrogatory  
7 No. 4?

8 MR. GRALEWSKI: Yeah, I am stipulating,  
9 and it was an oversight, and as I told counsel,  
10 that we will certainly endeavor to clean that  
11 up, but yes, the exhibit numbers in the formal  
12 responses don't match the newest group of  
13 plaintiffs' exhibit numbers, but they are  
14 intended to be the responses to those questions  
15 in the formal written responses.

16 MR. GOLDSTEIN: Okay.

17 MR. GRALEWSKI: For both the Toshiba set  
18 and the Samsung set. And I apologize for  
19 whatever confusion that may have caused, and we  
20 will stipulate to that.

21 MR. GOLDSTEIN: Okay.

22 Let's jump ahead and mark one more  
23 exhibit as 389.

24 (Exhibit 389, Plaintiff Verification,  
25 marked for identification, as of this date.)

1 Wood - October 15, 2012

2 Q. Ms. Wood, is this your verification of  
3 your answers to the new indirect purchaser  
4 plaintiffs -- your answers contained in the New  
5 Indirect Purchasers Plaintiffs' objections and  
6 Responses to Defendant Toshiba America Information  
7 Systems, Inc.'s First Set of Interrogatories?

8 A. Yes, it is.

9 Q. You understand you signed that  
10 verification under penalty of perjury?

11 A. Yes, I do.

12 Q. Is there anything in your answers in  
13 Exhibits 386, 87 and 88, that you believe may not  
14 have been complete and accurate?

15 A. No, it is all accurate.

16 Q. Okay. I'm going to show you an exhibit  
17 previously marked as 42 in a prior deposition.

18 MR. GRALEWSKI: So you're going to get a  
19 lot more paper, so it might help you to put all  
20 of this in a pile.

21 THE WITNESS: Okay. Am I taking these  
22 with me?

23 MR. GRALEWSKI: You are not. You're not  
24 allowed to. So you might want to just do this  
25 to help you out.



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2 Q. Ms. Wood, do you recognize that Exhibit  
3 42?

4 A. Yes, I do.

5 Q. And what is it?

6 A. Samsung STI Company Limited's First Set  
7 of Interrogatories to New Indirect Purchaser  
8 Plaintiffs.

9 Q. Do you recall when you first received  
10 this document, when you first saw this document?

11 A. I believe in October.

12 Q. And do you understand that these  
13 interrogatories are asked of you?

14 A. Yes.

15 Q. Did you do anything to respond to these  
16 interrogatories?

17 A. I rely on counsel for that.

18 Q. Also I'm going to show you an exhibit  
19 previously marked as 43 in another deposition.

20 Ms. Wood, do you recognize this  
21 document?

22 A. Yes, I do.

23 Q. Were you involved in preparing any of  
24 the responses or objections in this document?

25 A. I did not prepare the document.

1 Wood - October 15, 2012

2 Q. Did you provide any information that was  
3 used to prepare this document?

4 A. I rely on counsel for that.

5 Q. I'm going to do another group exhibit.  
6 It's just going to be Samsung Exhibits A, B, C -- or  
7 A, B, D and E, 33 through 40.

8 MR. GOLDSTEIN: Bob, I believe A 33  
9 through A 40 was marked yesterday. We can  
10 remark it to be --

11 MR. GRALEWSKI: We marked I believe all  
12 of those at the Thursday deposition as separate  
13 exhibits, but you can remark them. It will not  
14 be the first time there has been duplication.

15 MR. GOLDSTEIN: I do not have marked  
16 copies. So I will -- could we do that.

17 MR. GRALEWSKI: That's fine.

18 MR. GOLDSTEIN: Which I believe we'll  
19 make A -- Samsung Exhibit A 33 through A 40.  
20 Could the reporter please mark as 390.

21 (Exhibit 390, Samsung Exhibit A 33  
22 through A 40, marked for identification, as of  
23 this date.)

24 MR. GOLDSTEIN: And then Samsung Exhibit  
25 B 33 through B 40, will you please mark as

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2 Exhibit 391.

3 (Exhibit 391, Samsung Exhibit B 33

4 through B 39 and A 40, marked for

5 identification, as of this date.)

6 MR. GOLDSTEIN: And then we are going to

7 have 392, if you could please mark that on this

8 document which is Samsung Exhibit D 33 through D

9 40.

10 (Exhibit 392, Samsung Exhibit D 33

11 through D 39 and D 40, marked for

12 identification, as of this date.)

13 MR. GOLDSTEIN: And lastly, please mark

14 as Exhibit 393 the documents marked Samsung

15 Exhibit E 33 through E 40.

16 (Exhibit 393, Samsung Exhibits E 33

17 through E 40, marked for identification, as of

18 this date.)

19 MR. GRALEWSKI: Counsel, I appreciate

20 you're doing this in this manner. Thank you.

21 MR. GOLDSTEIN: Not a problem.

22 Q. Ms. Wood, do you recognize Exhibits 390,

23 391, 392 and 393?

24 A. I do.

25 Q. And what are they?

1 Wood - October 15, 2012

2 A. They're the answers to interrogatories.

3 Q. Do they contain your answers to --

4 A. Yes, they do.

5 Q. -- Samsung SDI's interrogatories?

6 A. Yes, they do.

7 Q. So these are -- to be clear for the

8 record, your answers to the interrogatories in

9 Exhibit 42, the Samsung SDI Company Ltd. First Set of

10 Interrogatories to New Indirect Purchaser Plaintiffs?

11 A. Yes.

12 Q. Please look at Exhibit 391, and turn to

13 page 5 which is Samsung Exhibit B 37.

14 A. I'm sorry, to which exhibit?

15 Q. 391. It is the B series of exhibits.

16 MR. GRALEWSKI: And you want her to turn

17 to which one?

18 MR. GOLDSTEIN: Page 5, B 37.

19 A. Okay.

20 Q. Ms. Wood, specifically this page is your

21 answers to -- is it interrogatory No. 3 from the

22 Samsung SDI?

23 MR. GRALEWSKI: And counsel, just to be

24 clear for the record, just as with the Toshiba

25 ones, these exhibits for the newest group of

1 Wood - October 15, 2012  
2 plaintiffs produced on September 17th, 2012  
3 relate to the new indirect purchaser plaintiffs'  
4 formal written responses, even though the  
5 exhibit numbers are off.

6 MR. GOLDSTEIN: Understood.

7 MR. GRALEWSKI: And we'll stipulate to  
8 that and clean that up as necessary.

9 MR. GOLDSTEIN: Thank you for  
10 clarifying.

11 A. I rely on counsel for that.

12 Q. Okay. Ms. Wood, did you have any part  
13 in drafting page B 37?

14 A. No, I did not.

15 Q. Did you provide information to your  
16 attorneys that is reflected in Exhibit B 37?

17 A. Yes, I did.

18 Q. Was the -- what was the source of that  
19 information?

20 A. The source of the information was the  
21 receipt that I had of the Toshiba television set that  
22 I purchased in 2004.

23 Q. To the best of your knowledge, does  
24 the -- do your answers to the interrogatories as  
25 reflected in Samsung Exhibit B 37 rely upon anything

1 Wood - October 15, 2012

2 other than the receipt you've produced in this case?

3 A. It relies on the truth.

4 Q. Is that your recollection of events?

5 A. Right.

6 Q. Other than look at your receipt, did you  
7 look at any other documents to provide this  
8 information to your attorneys?

9 A. I checked to make sure I had no other  
10 documents associated with this which I stated  
11 earlier.

12 Q. Is your response to point No. 8 here  
13 about warranties, is that complete and accurate?

14 A. As far as I recall.

15 Q. I `believe earlier --

16 A. I said I had an AMEX warrantee for one  
17 year.

18 Q. Would you like to amend your answers to  
19 point No. 8 to reflect the AMEX warrantee that you  
20 mentioned?

21 MR. GRALEWSKI: Object to form. Calls  
22 for legal conclusion and legal testimony.

23 A. I rely on my counsel for that.

24 Q. Are there any other corrections that  
25 need to be -- or any corrections that need to be made

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2 notwithstanding that AMEX issue?

3 A. No, no.

4 Q. Turning to Exhibit 393 which is called  
5 Samsung Exhibit E 33 through E 40, if you could look  
6 at page 5 of that. That page is labelled Samsung  
7 Exhibit E 37.

8 Ms. Wood, the answer here says -- I'm  
9 sorry. Is this your answer to interrogatory number  
10 16 of Samsung SDI's interrogatories which asked  
11 whether at any time during the relevant period you  
12 elected to acquire a non-CRT TV or computer monitor?

13 A. I rely on my counsel for that.

14 Q. Earlier, we talked about two computer  
15 monitors you had purchased around -- one around 2000  
16 and the other in 2005.

17 Are those the same two computer monitors  
18 referred to in your answer to this interrogatory?

19 A. Yes, they are.

20 Q. Earlier, you expressed uncertainty as to  
21 whether they were LCD monitors.

22 Does reading your response to the  
23 interrogatory refresh your recollection as to what  
24 type of technology was used in those computer  
25 monitors?

1 Wood - October 15, 2012

2 MR. GRALEWSKI: Object to the form.

3 Misstates testimony.

4 A. I rely on my lawyer for that.

5 Q. Do you know if your two computer  
6 monitors were LCD monitors?

7 MR. GRALEWSKI: Object to the form.

8 Asked and answered.

9 A. I rely on my lawyer for that.

10 Q. I've marked as Exhibit 394. Ms. Wood,  
11 can you take a look at Exhibit 394.

12 (Exhibit 394, Plaintiff Verification,  
13 marked for identification, as of this date.)

14 Q. Ms. Wood, do you recognize Exhibit 394?

15 A. I do.

16 Q. What is it?

17 A. It's a plaintiff verification.

18 Q. And what -- is it your verification?

19 A. Yes, it is.

20 Q. And what are you verifying with this  
21 document?

22 A. That the -- that the answers to the  
23 interrogatories were correct and true.

24 Q. And is it your understanding that you  
25 were verifying the correctness and truth of Exhibits



1 Wood - October 15, 2012

2 3 -- Exhibits 43, 390, 31, 392 and 393 with that  
3 verification?

4 A. Yes.

5 Q. Is there anything that you now believe  
6 may not be complete and accurate in your responses to  
7 Samsung SDI's interrogatories?

8 A. No.

9 Q. Is it correct that your belief as to the  
10 correctness of your answer in Exhibit 393 which is  
11 Samsung Exhibit E 37 is based -- strike that.

12 Ms. Wood, do you have any plans to  
13 purchase any CRTs in the future?

14 A. I do not.

15 Q. Any CRT televisions or monitors in the  
16 future?

17 A. I do not.

18 Q. If you wanted to purchase a CRT  
19 television or a monitor, do you know where to get  
20 one?

21 A. I don't know if they're still on the  
22 market.

23 MR. GOLDSTEIN: I'm done. Does anyone  
24 on the phone have any questions? We'll take  
25 that as either no or there is no one on the

1 Wood - October 15, 2012

2 phone.

3 MR. GRALEWSKI: If anyone is speaking,  
4 you're on mute.

5 Does anyone have any questions on the  
6 phone?

7 MR. FRUTIG: I do not. Frutig from  
8 White & Case, there's no questions.

9 MS. BYRD: This is Courtney Byrd. I  
10 don't have any questions.

11 MR. GOLDSTEIN: Bob, do you have?

12 MR. GRALEWSKI: Yeah. Just real quick.

13 EXAMINATION BY

14 MR. GRALEWSKI:

15 Q. I have a couple of questions for you,  
16 Ms. Wood.

17 A. Okay.

18 Q. Maybe just one. Probably more than one.  
19 Thank you for your time today.

20 A. You're welcome.

21 Q. You understand that you're a proposed  
22 class representative, correct?

23 A. I do.

24 Q. What is your understanding of who you're  
25 standing up for, who or what you're standing up for

1 Wood - October 15, 2012

2 as class representative?

3 A. I'm standing up for the people in New  
4 York State who are indirect purchasers of televisions  
5 and monitors that had CRTs during the time period  
6 1995 to 2007.

7 Q. And is it your understanding that you  
8 represent end uses of those products, or what kind of  
9 end users do you understand that you represent?

10 A. End users in the sense of personal use.

11 Q. And that those include individuals like  
12 yourself, correct?

13 A. Those include individuals and small  
14 businesses who would have used it in their small  
15 business.

16 MR. GRALEWSKI: Okay. I have no further  
17 questions.

18 MR. GOLDSTEIN: I have no further  
19 questions either.

20 THE VIDEOGRAPHER: Going off the record  
21 at 3:49 p.m. This is the end of disk 4 and  
22 concludes the deposition of Louise Wood.

23 (Time noted: 3:49 p.m.)  
24  
25

1 I have read the foregoing deposition  
2 transcript and by signing hereafter, approve same.

3

4 Dated\_\_\_\_\_.

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(Signature of Deponent)

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DEPOSITION OFFICER'S CERTIFICATE

STATE OF CALIFORNIA     )  
                                  ) ss.  
COUNTY OF NEW YORK     )

I, LORRAINE B. ABATE , hereby certify:

I am a duly qualified Certified Shorthand  
Reporter in the State of California, holder of  
Certificate Number CSR XI01992 issued by the Court  
Reporters Board of California and which is in full force  
and effect. (Fed. R. Civ. P. 28(a)).

I am authorized to administer oaths or  
affirmations pursuant to California Code of Civil  
Procedure, Section 2093(b) and prior to being examined,  
the witness was first duly sworn by me. (Fed. R. Civ.  
P. 28(a), 30(f)(1)).

I am not a relative or employee or attorney or  
counsel of any of the parties, nor am I a relative or  
employee of such attorney or counsel, nor am I  
financially interested in this action. (Fed. R. Civ. P.  
28).

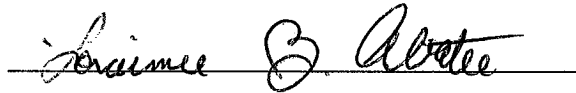
I am the deposition officer that  
stenographically recorded the testimony in the foregoing  
deposition and the foregoing transcript is a true record

/ / /

1 of the testimony given by the witness. (Fed. R. Civ. P.  
2 30(f)(1)).

3 Before completion of the deposition, review of  
4 the transcript [XX] was [ ] was not requested. If  
5 requested, any changes made by the deponent (and  
6 provided to the reporter) during the period allowed, are  
7 appended hereto. (Fed. R. Civ. P. 30(e)).

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9 Dated: OCTOBER 26, 2012

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	105:10	87:17;109:23;	74:2	18:7
<b>\$</b>	<b>actually (8)</b>	110:24;117:6;	<b>among (7)</b>	<b>argumentative (4)</b>
<b>\$10 (2)</b>	50:16;74:25;	128:11;129:11,21;	43:23;46:24;47:7,	26:18;44:9;59:10;
78:5;111:16	84:18;99:12;107:23;	131:12,15,24;	12,20,25;49:13	132:15
<b>\$20 (1)</b>	122:11,22;127:6	132:11;137:23;	<b>amount (6)</b>	<b>around (14)</b>
78:10	<b>addendums (1)</b>	138:10	44:11;46:5;89:17,	27:3,23;28:11;
<b>\$299.99 (3)</b>	148:25	<b>alleging (1)</b>	21;129:5,20	30:13;31:5,13;32:5;
40:18;73:9;78:23	<b>addition (1)</b>	121:10	<b>analog (1)</b>	41:5;44:17;71:18,
<b>\$50 (2)</b>	113:9	<b>allowed (4)</b>	37:15	25;72:7;157:15,15
75:8,9	<b>additional (1)</b>	92:24;103:5;	<b>analyst (1)</b>	<b>article (4)</b>
<b>\$500 (1)</b>	48:12	111:4;150:24	133:10	133:9,15,20,24
99:15	<b>address (6)</b>	<b>Almost (1)</b>	<b>and/or (1)</b>	<b>articles (7)</b>
<b>\$7.43 (1)</b>	12:24,25;13:3;	17:10	126:21	92:8;111:17,19;
99:18	15:9,11,12	<b>alone (2)</b>	<b>Angeles (1)</b>	129:25;131:5;132:8,
	<b>adequately (1)</b>	25:2;31:20	9:5	10
	139:15	<b>altered (1)</b>	<b>announcing (1)</b>	<b>artificial (1)</b>
<b>`</b>	<b>adjustment (1)</b>	142:6	128:17	128:9
	75:20	<b>Although (1)</b>	<b>annually (1)</b>	<b>aside (1)</b>
<b>`believe (1)</b>	<b>administrative (1)</b>	109:11	99:15	134:16
156:15	23:12	<b>always (2)</b>	<b>answered (25)</b>	<b>asserting (2)</b>
	<b>advertise (2)</b>	49:20;81:19	29:5;30:9;32:19;	27:20;28:10
<b>A</b>	86:8,10	<b>ambiguous (43)</b>	46:3,9;47:4;54:18;	<b>associate (2)</b>
	<b>advertising (2)</b>	25:17,23;26:18;	59:18;62:6;64:18;	49:24;50:8
<b>A14 (1)</b>	86:14,16	29:17,20;31:17;	67:24;79:21;83:20;	<b>associated (2)</b>
40:17	<b>afford (1)</b>	32:21;33:7,20;34:6;	85:4,11,15;115:25;	50:10;156:10
<b>Abate (1)</b>	52:18	45:21;46:2,10,15;	118:8,22;127:15;	<b>Associates (2)</b>
10:11	<b>again (12)</b>	49:8;53:23;54:5,18;	129:23;131:4;	20:11,13
<b>ability (1)</b>	16:22;28:16;	56:14;58:18;64:25;	137:17;138:7;158:8	<b>association (4)</b>
139:12	47:19,24;104:18;	65:14;66:18;75:14;	<b>Antitrust (18)</b>	20:21,24;21:3,5
<b>able (5)</b>	106:14,21;113:5;	82:8;85:24;87:11;	9:11;55:11,21;	<b>associations (1)</b>
28:4,7;99:17;	114:9,11;125:11;	90:3,11;105:23;	57:4,13,17,23;58:6,	20:23
101:9;143:10	133:8	109:4,9;111:23;	10,14;59:7;60:3,8;	<b>assume (3)</b>
<b>absence (1)</b>	<b>against (2)</b>	113:14;115:25;	61:23;62:2,16;	63:23;64:7;104:8
128:13	96:25;111:16	118:8,14;119:20;	109:22;117:6	<b>attached (4)</b>
<b>Absolutely (1)</b>	<b>age (1)</b>	125:8;135:8,14,19;	<b>apartment (4)</b>	121:25;124:24;
39:15	12:21	144:13	34:16,18;74:14;	125:2,13
<b>absorb (1)</b>	<b>ago (4)</b>	<b>Amend (7)</b>	143:13	<b>attachments (1)</b>
88:14	10:21;39:25;	107:7,14,20;	<b>apologize (3)</b>	113:11
<b>absorbed (1)</b>	115:11;148:21	112:11,19;123:7;	100:11;113:4;	<b>attempt (1)</b>
88:22	<b>agree (2)</b>	156:18	149:18	71:5
<b>access (1)</b>	24:2;89:23	<b>amended (29)</b>	<b>appearances (2)</b>	<b>attempted (1)</b>
77:17	<b>agreement (4)</b>	102:17;104:17;	9:16;10:2	129:17
<b>accessories (1)</b>	96:13,18;140:14,	105:18;106:24;	<b>appears (4)</b>	<b>attend (1)</b>
80:24	22	108:19,23;109:12,	108:22;116:10;	14:9
<b>According (1)</b>	<b>agreements (1)</b>	16;115:7,9,10,14,23;	124:15;126:10	<b>attending (1)</b>
140:22	140:21	116:14,18;117:12,	<b>applies (2)</b>	9:20
<b>account (4)</b>	<b>ahead (4)</b>	12;124:12,15,20;	99:9;142:20	<b>attention (1)</b>
41:20;100:19,22;	103:9;114:25;	125:5,13,20;126:4,	<b>apply (1)</b>	120:25
101:3	146:10;149:22	11,14;127:24;131:8;	144:18	<b>attorney (21)</b>
<b>accurate (5)</b>	<b>alerted (1)</b>	132:19	<b>appreciate (4)</b>	11:15;57:14,15;
40:11;150:14,15;	92:9	<b>America (5)</b>	59:22;77:9;98:15;	58:8,11,13;59:6,12,
156:13;159:6	<b>Alioto (2)</b>	5:7,19;144:6;	153:19	24,25;60:5;61:7,9;
<b>acknowledge (1)</b>	97:15;124:25	146:14;150:6	<b>approaching (1)</b>	91:10;92:3,5;96:13;
26:14	<b>Alioto's (2)</b>	<b>American (1)</b>	134:12	104:9;106:14;147:5,
<b>acknowledged (1)</b>	114:23;115:2	41:15	<b>approximate (3)</b>	7
128:16	<b>alive (1)</b>	<b>Americans (1)</b>	28:4,7;75:10	<b>attorney-client (10)</b>
<b>acquire (1)</b>	101:20	128:19	<b>approximately (9)</b>	57:21;61:2,14,20;
157:12	<b>allegation (1)</b>	<b>America's (1)</b>	9:6;27:15;36:7,10,	94:14;104:6,14;
<b>acting (1)</b>	126:24	145:5	10;61:15;94:25;	106:18;110:22;
97:11	<b>allegations (2)</b>	<b>AMEX (4)</b>	95:24;99:14	141:6
<b>action (2)</b>	118:6;127:21	74:3;156:16,19;	<b>approximation (1)</b>	<b>Attorneys (16)</b>
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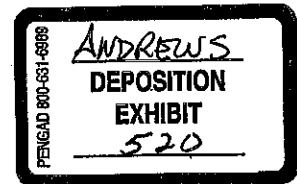
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# **EXHIBIT 43**



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**UNITED STATES DISTRICT COURT**  
**NORTHERN DISTRICT OF CALIFORNIA**  
**SAN FRANCISCO DIVISION**

IN RE: CATHODE RAY TUBE (CRT)  
 ANTITRUST LITIGATION

Master File No. CV-07-5944 SC

MDL No. 1917

This Document Relates to:

ALL INDIRECT PURCHASER ACTIONS

**NEW INDIRECT PURCHASER  
 PLAINTIFFS' OBJECTIONS AND  
 RESPONSES TO DEFENDANT SAMSUNG  
 SDI CO., LTD.'S FIRST SET OF  
 INTERROGATORIES**

**PROPOUNDING PARTY: SAMSUNG SDI CO., LTD.**

**RESPONDING PARTY: INDIRECT PURCHASER PLAINTIFFS:**  
 Bedrock Management Company, Inc.; Kerry Lee Hall;  
 Lisa Reynolds; Barry Kushner; Conrad Carty; Janet  
 Ackerman; Steven Hawley.

**SET NUMBER: ONE (1-16)**

Pursuant to Rules 26 and 33 of the Federal Rules of Civil Procedure, Bedrock Management Company, Inc., Kerry Lee Hall, Lisa Reynolds, Barry Kushner, Conrad Carty, Janet Ackerman and Steven Hawley ("New Indirect Purchaser Plaintiffs") hereby object and



1 respond to the First Set of Interrogatories propounded by Defendant Samsung SDI Co., Ltd.  
2 (“Defendant”), as set forth below.

3 **PRELIMINARY STATEMENT**

4 Each of the following responses is subject to all objections of and concerning relevance,  
5 materiality, and admissibility, as well as to all and any other objections on any ground requiring  
6 exclusion of any response if introduced in Court. All evidentiary objections and grounds  
7 accordingly are expressly reserved. Furthermore, New Indirect Purchaser Plaintiffs’ decision,  
8 now or in the future, to provide information notwithstanding the objectionable nature of the  
9 Interrogatories shall not be construed as: (a) an admission that they agree with any of  
10 Defendant’s definitions or characterizations contained therein, or (b) an admission that the  
11 information sought likely will lead to the discovery of admissible evidence, or (c) an agreement  
12 that requests for similar information will be treated in a similar manner.

13 For purposes of these Interrogatories, New Indirect Purchaser Plaintiffs define the term  
14 “CRT Products” as televisions and computer monitors containing CRTs.

15 New Indirect Purchaser Plaintiffs’ objections and responses to the within First Set of  
16 Interrogatories are made without prejudice to their right to introduce any or all evidence of any  
17 kind in this case.

18 The specific objections and responses set forth below are based upon information now  
19 known. New Indirect Purchaser Plaintiffs have not yet completed discovery or preparation for  
20 trial in this case, and, therefore, reserve the right to amend, modify, or supplement any general or  
21 specific objection or response.

22 Nothing in their objections and responses to these Interrogatories shall be construed as an  
23 admission by New Indirect Purchaser Plaintiffs with respect to the competence, admissibility,  
24 relevance, or materiality of any fact or document, or as an admission of the truth or accuracy of  
25 any characterization of any information of any kind sought by these Interrogatories.

26 New Indirect Purchaser Plaintiffs reserve their right to object to use of their objections  
27 and responses herein, or the subject matter thereof, on any ground in this or in any subsequent  
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1 proceeding, including, without limitation, the right to object on any ground at any time to the use  
2 of such responses in any discovery procedures in this or any proceeding, and/or at trial.

3 The New Indirect Purchaser Plaintiffs' objections and responses to the Interrogatories are  
4 subject to the provisions of the Stipulated Protective Order entered by the Court June 18, 2008  
5 (Document 306) (the "Protective Order"). The New Indirect Purchaser Plaintiffs' Interrogatory  
6 Objections and Responses hereby are designated "Confidential" in accordance with the  
7 provisions of the Protective Order.

8 Each of the General Objections herein is considered applicable to and is hereby  
9 incorporated into each and every response by Plaintiffs to the Interrogatories, and each response  
10 is given without waiving any of the General Objections. The assertion of any General Objection  
11 in response to any Interrogatory should not be considered a waiver of the remaining General  
12 Objections. By making the responses herein, Plaintiffs do not concede that the information  
13 provided is relevant to the claims or defenses of any party or reasonably calculated to lead to the  
14 discovery of admissible evidence.

### 15 **GENERAL OBJECTIONS**

16 1. New Indirect Purchaser Plaintiffs object to, and will not answer, the  
17 Interrogatories to the extent they seek discovery of information, legal analysis, and/or strategies  
18 concerning any Class Certification motion New Indirect Purchaser Plaintiffs may file under Rule  
19 23 of the Federal Rules of Civil Procedure. Such information, legal analysis, and/or strategies  
20 are protected from disclosure by the attorney-client privilege and/or the work-product doctrine.

21 2. New Indirect Purchaser Plaintiffs object to, and will not answer, the  
22 Interrogatories to the extent Defendant intends or purports to impose obligations beyond those  
23 required or permitted by the Federal Rules of Civil Procedure and the Local Rules of the  
24 Northern District of California, or to the extent they are outside the scope of any order or opinion  
25 of this Court or of the Special Master, or contrary to any applicable rules of law.

26 3. New Indirect Purchaser Plaintiffs object to, and will not answer, the  
27 Interrogatories to the extent they comprise premature "contention interrogatories," the answers to  
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1 which are dependent on merits and/or expert discovery. Pursuant to Rule 33(a)(2) of the Federal  
2 Rules of Civil Procedure, New Indirect Purchaser Plaintiffs, as necessary or appropriate, will  
3 respond to proper “contention interrogatories” after merits and expert discovery is complete,  
4 and/or after some other time as directed by the Court or Special Master. *See, e.g., In re*  
5 *Convergent Technologies Securities Litigation*, 108 F.R.D. 328, 336 (N.D. Cal. 1985) (“There is  
6 considerable recent authority for the view that the wisest general policy is to defer propounding  
7 and answering contention interrogatories until near the end of the discovery period.”); *In re eBay*  
8 *Seller Antitrust Litigation*, No. C 07-1882 JF (RS), 2008 WL 5212170, at \*1 (N.D. Cal. Dec. 11,  
9 2008) (“Courts using their Rule 33(a)(2) discretion generally disfavor contention interrogatories  
10 asked before discovery is undertaken.”).

11 4. New Indirect Purchaser Plaintiffs object to the Interrogatories, including the  
12 Definitions and Instructions set forth therein, to the extent (a) they seek to elicit information  
13 relating or referring to matters not raised by the pleadings, or (b) they seek to elicit information  
14 that is not relevant to the claims or defenses of the parties to this action, or (c) they seek to elicit  
15 information that is not within New Indirect Purchaser Plaintiffs’ possession, custody, or control,  
16 or (d) they seek to elicit information not reasonably calculated to lead to the discovery of  
17 admissible evidence.

18 5. New Indirect Purchaser Plaintiffs object to, and will not answer, the  
19 Interrogatories to the extent they seek information protected by the attorney-client privilege,  
20 work-product doctrine, or any other applicable privilege, protection, immunity, or rule  
21 (collectively, “Privileged Information”), including, without limitation, information concerning  
22 communications between New Indirect Purchaser Plaintiffs’ attorneys, and/or between New  
23 Indirect Purchaser Plaintiffs and their attorneys, made during, or in anticipation of, litigation.  
24 Any inadvertent disclosure of such information is not intended to, and shall not, constitute a  
25 general or specific waiver, in whole or in part, of the foregoing privileges or immunities, or the  
26 subject matter thereof. Relatedly, any inadvertent disclosure of such information is not intended  
27 to, nor shall it, constitute a waiver of the right to object to any use of such information, and any  
28

1 such disclosure shall be treated as specified in Rule 26(b)(5)(B) of the Federal Rules of Civil  
2 Procedure.

3 6. New Indirect Purchaser Plaintiffs object to, and will not answer, the  
4 Interrogatories to the extent that (a) they seek the premature disclosure of expert material subject  
5 to Rule 26(a)(2)(C) of the Federal Rules of Civil Procedure, and/or (b) they seek disclosure of  
6 information concerning any person or entity whom New Indirect Purchaser Plaintiffs will not  
7 designate as an opinion or other witness at trial.

8 7. New Indirect Purchaser Plaintiffs object to the Interrogatories, including the  
9 Definitions and Instructions set forth therein, to the extent they seek information that is equally  
10 accessible to Defendant as it is to New Indirect Purchaser Plaintiffs, or that has been provided by  
11 other parties or witnesses.

12 8. New Indirect Purchaser Plaintiffs object to the Interrogatories, including the  
13 Definitions and Instructions set forth therein, to the extent they are cumulative to or duplicative  
14 of other Interrogatories.

15 9. New Indirect Purchaser Plaintiffs object to, and will not answer, the  
16 Interrogatories to the extent that they seek confidential or proprietary business information and  
17 research.

18 10. New Indirect Purchaser Plaintiffs object to the purported definition of the terms  
19 "YOU" and "YOUR" because they are vague, ambiguous, overly broad, and unduly  
20 burdensome, as they seek information that is neither relevant nor reasonably calculated to lead to  
21 the discovery of admissible information. Responding further, New Indirect Purchaser Plaintiffs  
22 object to the inclusion of "agents, attorneys, representatives, or other persons acting or  
23 purporting to act on behalf of the responding Plaintiff," within this Definition to the extent it  
24 purports to encompass information that is protected by attorney-client privilege and/or work-  
25 product doctrine, or any other applicable privilege, protection, immunity, or rule.

26 11. New Indirect Purchaser Plaintiffs object to the purported definition of the term  
27 "DOCUMENT" to the extent it attempts to impose burdens on them greater than or inconsistent  
28

1 with those imposed by the Federal Rules of Civil Procedure or the Local Rules for the United  
2 States District Court for the Northern District of California.

3 12. New Indirect Purchaser Plaintiffs object to the purported definition of the term  
4 "COMPLAINT" as overly broad to the extent it is construed to refer to any Complaint other than  
5 Indirect Purchaser Plaintiffs' Third Consolidated Amended Complaint filed December 11, 2010  
6 in the United States District Court for the Northern District of California.

7 13. New Indirect Purchaser Plaintiffs object to the Interrogatories, including the  
8 Definitions and Instructions set forth therein, to the extent any one or more or all of them assume  
9 disputed facts or legal conclusions. Any response or objection herein is without prejudice to this  
10 objection and New Indirect Purchaser Plaintiffs' right to dispute such purported facts or legal  
11 conclusions.

#### 12 SPECIFIC OBJECTIONS AND RESPONSES

##### 13 INTERROGATORY NO. 1:

14 IDENTIFY all PERSONS who participated or assisted in the preparation of YOUR  
15 responses to these interrogatories.

##### 16 RESPONSE NO. 1:

17 In addition to their General Objections listed above, New Indirect Purchaser Plaintiffs  
18 object to Interrogatory No. 1 because it calls for the disclosure of privileged information,  
19 including without limitation, information subject to the attorney-client privilege and/or the work  
20 product doctrine. New Indirect Purchaser Plaintiffs also object to Interrogatory No. 1 because it  
21 seeks information that is neither relevant nor reasonably calculated to lead to the discovery of  
22 admissible evidence.

23 Subject to and without waving the objections stated above, New Indirect Purchaser  
24 Plaintiffs respond by referring to Samsung Exhibit A-26 through A-32.

##### 25 INTERROGATORY NO. 2:

26 Separately identify each acquisition of a CRT upon which YOU base any claim in this  
27 action, including without limitation the date and place of acquisition, the type and manufacturer  
28

1 of each CRT acquired, and the IDENTITY of each PERSON involved in the acquisition and the  
2 time period and nature of each PERSON'S involvement.

3 As part of YOUR response, IDENTIFY each DOCUMENT that YOU contend supports  
4 YOUR response.

5 **RESPONSE NO. 2:**

6 In addition to the General Objections listed above, New Indirect Purchaser Plaintiffs  
7 object to Interrogatory No. 2 because the term "acquisition" is vague, ambiguous, and overly  
8 broad.

9 Subject to and without waiving the objections stated above, New Indirect Purchaser  
10 Plaintiffs respond by stating that they are end users of CRT Products and did not acquire any  
11 stand-alone CRTs during the relevant period.

12 **INTERROGATORY NO. 3:**

13 Separately identify each acquisition of a CRT PRODUCT upon which YOU base any  
14 claim in this action, including without limitation the date and place of acquisition, the type and  
15 manufacturer of each CRT PRODUCT acquired, and the IDENTITY of each PERSON involved  
16 in the acquisition and the time period and nature of each PERSON'S involvement.

17 As part of YOUR response, IDENTIFY each DOCUMENT that YOU contend supports  
18 YOUR response.

19 **RESPONSE NO. 3:**

20 In addition to the General Objections listed above, New Indirect Purchaser Plaintiffs  
21 object to Interrogatory No. 3 because the term "acquisition" is vague, ambiguous, and overly  
22 broad.

23 Subject to and without waiving the objections stated above, New Indirect Purchaser  
24 Plaintiffs respond by stating that they purchased CRT Products containing CRTs. Responding  
25 further, New Indirect Purchaser Plaintiffs refer to Samsung Exhibit B-26 through B-32.

1 **INTERROGATORY NO. 4:**

2 For each acquisition of a CRT identified in Interrogatory No. 2, state all terms and  
3 conditions that were a part of the acquisition, including without limitation all terms and  
4 conditions RELATING TO pricing, taxes, tariffs, duties, freight charges, or any other fees paid  
5 by any PERSON in connection with the acquisition.

6 As part of YOUR response, IDENTIFY each DOCUMENT that YOU contend supports  
7 YOUR response.

8 **RESPONSE NO. 4:**

9 In addition to the General Objections listed above, New Indirect Purchaser Plaintiffs  
10 object to Interrogatory No. 4 because the term "acquisition" is vague, ambiguous, and overly  
11 broad.

12 Subject to and without waiving the objections stated above, New Indirect Purchaser  
13 Plaintiffs respond by stating that they are end users of CRT Products and did not acquire any  
14 stand-alone CRTs during the relevant period.

15 **INTERROGATORY NO. 5:**

16 For each acquisition of a CRT PRODUCT identified in Interrogatory No. 3, state all  
17 terms and conditions that were a part of the acquisition, including without limitation all terms  
18 and conditions RELATING TO pricing, taxes, tariffs, duties, freight charges, or any other fees  
19 paid by any PERSON in connection with the acquisition.

20 As part of YOUR response, IDENTIFY each DOCUMENT that YOU contend supports  
21 YOUR response.

22 **RESPONSE NO. 5:**

23 In addition to the General Objections listed above, New Indirect Purchaser Plaintiffs  
24 object to Interrogatory No. 5 because the term "acquisition" is vague, ambiguous, and overly  
25 broad.

26 Subject to and without waiving the objections stated above, New Indirect Purchaser  
27 Plaintiffs respond by referring to Samsung Exhibit B-26 through B-32.  
28



**INTERROGATORY NO. 6:**

For each acquisition of a CRT identified in Interrogatory No. 2, state whether the CRT was acquired as part of a system or other bundled product (e.g., a CRT computer monitor acquired in conjunction with a computer, keyboard, speakers, warranty, service plan, or other services) and, if so, the value of each component of such system or bundled product.

As part of YOUR response, IDENTIFY each DOCUMENT that YOU contend supports YOUR response.

**RESPONSE NO. 6:**

In addition to the General Objections listed above, New Indirect Purchaser Plaintiffs object to Interrogatory No. 6 because (a) the term “acquisition” and the phrase “acquired as part of a system or other bundled product (e.g., a CRT computer monitor acquired in conjunction with a computer, keyboard, speakers, warranty, service plan, or other services)” are vague, ambiguous, overly broad, and unduly burdensome, and (b) it seeks information that is neither relevant nor reasonably calculated to lead to the discovery of admissible evidence. Responding further, to the extent Defendant seeks discovery related to “the value of each component of such system or bundled product,” New Indirect Purchaser Plaintiffs also object to Interrogatory No. 6 because it (a) prematurely seeks to elicit prior to merits discovery legal theories, analysis, and other matters on which opinion testimony may be required at trial, (b) purports to require a layperson to provide answers on matters as to which opinion testimony may be required at trial, and (c) calls for legal conclusions and compels the assumption of facts not yet in evidence, and (d) prematurely seeks disclosure of expert material subject to Rule 26(a)(2)(C) of the Federal Rules of Civil Procedure.

Subject to and without waiving the objections stated above, New Indirect Purchaser Plaintiffs respond by stating that they are end users of CRT Products and did not acquire any stand-alone CRTs during the relevant period.



1 **INTERROGATORY NO. 7:**

2 For each acquisition of a CRT PRODUCT identified in Interrogatory No. 3, state whether  
3 the CRT PRODUCT was acquired as part of a system or other bundled product (e.g., a CRT  
4 computer monitor acquired in conjunction with a computer, keyboard, speakers, warranty,  
5 service plan, or other services) and, if so, the value of each component of such system or bundled  
6 product.

7 As part of YOUR response, IDENTIFY each DOCUMENT that YOU contend supports  
8 YOUR response.

9 **RESPONSE NO. 7:**

10 In addition to the General Objections listed above, New Indirect Purchaser Plaintiffs  
11 object to Interrogatory No. 7 because (a) the term “acquisition” the phrase “acquired as part of a  
12 system or other bundled product (e.g., a CRT computer monitor acquired in conjunction with a  
13 computer, keyboard, speakers, warranty, service plan, or other services)” are vague, ambiguous,  
14 overly broad, and unduly burdensome, and (b) it seeks information that is neither relevant nor  
15 reasonably calculated to lead to the discovery of admissible evidence. Responding further, to the  
16 extent Defendant seeks discovery related to “the value of each component of such system or  
17 bundled product,” New Indirect Purchaser Plaintiffs also object to Interrogatory No. 7 because it  
18 (a) prematurely seeks to elicit prior to merits discovery legal theories, analysis, and other matters  
19 on which opinion testimony may be required at trial, (b) purports to require a layperson to  
20 provide answers on matters as to which opinion testimony may be required at trial, and (c) calls  
21 for legal conclusions and compels the assumption of facts not yet in evidence, and (d)  
22 prematurely seeks disclosure of expert material subject to Rule 26(a)(2)(C) of the Federal Rules  
23 of Civil Procedure.

24 Subject to and without waiving the objections stated above, New Indirect Purchaser  
25 Plaintiffs respond by referring to Samsung Exhibit B-26 through B-32.

1 **INTERROGATORY NO. 8:**

2 For each acquisition of a CRT identified in Interrogatory No. 2, identify any warranties,  
3 servicing plans or agreements, membership rewards, or other benefits received by YOU  
4 RELATING TO the acquisition.

5 As part of YOUR response, IDENTIFY each DOCUMENT that YOU contend supports  
6 YOUR response.

7 **RESPONSE NO. 8:**

8 In addition to the General Objections listed above, New Indirect Purchaser Plaintiffs  
9 object to Interrogatory No. 8 because (a) the terms "servicing plans or agreements, membership  
10 rewards, or other benefits" are vague, ambiguous, and overly broad, and (b) it seeks information  
11 that is neither relevant nor reasonably calculated to lead to the discovery of admissible evidence.

12 Subject to and without waiving the objections stated above, New Indirect Purchaser  
13 Plaintiffs respond by stating that they are end users of CRT Products and did not acquire any  
14 stand-alone CRTs during the relevant period.

15 **INTERROGATORY NO. 9:**

16 For each acquisition of a CRT PRODUCT identified in Interrogatory No. 3, identify any  
17 warranties, servicing plans or agreements, membership rewards, or other benefits received by  
18 YOU RELATING TO the acquisition.

19 As part of YOUR response, IDENTIFY each DOCUMENT that YOU contend supports  
20 YOUR response.

21 **RESPONSE NO. 9:**

22 In addition to the General Objections listed above, New Indirect Purchaser Plaintiffs  
23 object to Interrogatory No. 9 because (a) the terms "servicing plans or agreements, membership  
24 rewards, or other benefits" are vague, ambiguous, and overly broad, and (b) it seeks information  
25 that is neither relevant nor reasonably calculated to lead to the discovery of admissible evidence.

26 Subject to and without waiving the objections stated above, New Indirect Purchaser  
27 Plaintiffs respond by referring to Samsung Exhibit B-26 through B-32.

1 **INTERROGATORY NO. 10:**

2 Identify the purpose(s) for which YOU acquired each CRT during the RELEVANT  
3 PERIOD, including without limitation whether the CRT was acquired for resale and, if so,  
4 whether and under what terms and conditions it was resold.

5 **RESPONSE NO. 10:**

6 In addition to the General Objections listed above, New Indirect Purchaser Plaintiffs  
7 object to Interrogatory No. 10 because it seeks information that is neither relevant nor reasonably  
8 calculated to lead to the discovery of admissible evidence.

9 Subject to and without waiving the objections stated above, New Indirect Purchaser  
10 Plaintiffs respond by stating that they are end users of CRT Products and did not acquire any  
11 stand-alone CRTs during the relevant period.

12 **INTERROGATORY NO. 11:**

13 Identify the purpose(s) for which YOU acquired each CRT PRODUCT during the  
14 RELEVANT PERIOD, including without limitation whether the CRT PRODUCT was acquired  
15 for resale and, if so, whether and under what terms and conditions it was resold.

16 **RESPONSE NO. 11:**

17 In addition to the General Objections listed above, New Indirect Purchaser Plaintiffs  
18 object to Interrogatory No. 11 because it seeks information that is neither relevant nor reasonably  
19 calculated to lead to the discovery of admissible evidence.

20 Subject to and without waiving the objections stated above, New Indirect Purchaser  
21 Plaintiffs respond by stating that, as end users, they purchased CRT Products for their own use  
22 and not for resale. New Indirect Purchaser Plaintiffs also respond by referring to Samsung  
23 Exhibit B-26 through B-32.

24 **INTERROGATORY NO. 12:**

25 IDENTIFY all PERSONS with knowledge of the factors that influenced each of YOUR  
26 decisions to acquire or not to acquire CRTs during the RELEVANT PERIOD.  
27  
28

**RESPONSE NO. 12:**

In addition to the General Objections listed above, New Indirect Purchaser Plaintiffs object to Interrogatory No. 12 because (a) it seeks information that is neither relevant nor reasonably calculated to lead to the discovery of admissible evidence, and (b) it is harassing and invasive.

Subject to and without waiving the objections stated above, New Indirect Purchaser Plaintiffs respond by stating that they are end users of CRT Products and did not consider acquiring any stand-alone CRTs during the relevant period.

**INTERROGATORY NO. 13:**

IDENTIFY all PERSONS with knowledge of the factors that influenced each of YOUR decisions to acquire or not to acquire CRT PRODUCTS during the RELEVANT PERIOD.

**RESPONSE NO. 13:**

In addition to the General Objections listed above, New Indirect Purchaser Plaintiffs object to Interrogatory No. 13 because (a) it seeks information that is neither relevant nor reasonably calculated to lead to the discovery of admissible evidence, and (b) it is harassing and invasive.

Subject to and without waiving the objections stated above, New Indirect Purchaser Plaintiffs respond by referring to Samsung Exhibit B-26 through B-32.

**INTERROGATORY NO. 14:**

IDENTIFY all trade publications, advertisements, or news articles RELATING TO the price or product features of CRTs that YOU reviewed during the RELEVANT PERIOD.

**RESPONSE NO. 14:**

In addition to their General Objections listed above, New Indirect Purchaser Plaintiffs object to Interrogatory No. 14 because (a) the terms "all trade publications, advertisements, or news articles" are vague, ambiguous, and overly broad, and (b) it seeks information that is neither relevant nor reasonably calculated to lead to the discovery of admissible evidence.

Subject to and without waiving the objections stated above, New Indirect Purchaser Plaintiffs respond by referring to Samsung Exhibit D-26 through D-32.

**INTERROGATORY NO. 15:**

IDENTIFY all trade publications, advertisements, or news articles RELATING TO the price or product features of CRT PRODUCTS that YOU reviewed during the RELEVANT PERIOD.

**RESPONSE NO. 15:**

In addition to their General Objections listed above, New Indirect Purchaser Plaintiffs object to Interrogatory No. 15 because (a) the terms “all trade publications, advertisements, or news articles” are vague, ambiguous, and overly broad, and (b) it seeks information that is neither relevant nor reasonably calculated to lead to the discovery of admissible evidence.

Subject to and without waiving the objections stated above, New Indirect Purchaser Plaintiffs respond by referring to Samsung Exhibit D-26 through D-32.

**INTERROGATORY NO. 16:**

State whether, at any time during the RELEVANT PERIOD, YOU elected to acquire a non-CRT television or computer monitor instead of a CRT PRODUCT and, if so, identify YOUR reasons for making each such acquisition.

**RESPONSE NO. 16:**

In addition to the General Objections listed above, New Indirect Purchaser Plaintiffs object to Interrogatory No. 16 because (a) the terms “elected to acquire” are vague, ambiguous, and overly broad and (b) it seeks information that is neither relevant nor reasonably calculated to lead to the discovery of admissible evidence.

Subject to and without waiving the objections stated above, New Indirect Purchaser Plaintiffs respond by referring to Samsung Exhibit E-26 through E-32.

Dated: August 31, 2011

By: /s/ Mario N. Alioto  
Mario N. Alioto (56433)  
Lauren C. Russell (241151)

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8 *Interim Lead Counsel for the*  
9 *New Indirect Purchaser Plaintiffs*  
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Produced on 9/17/12

**SAMSUNG EXHIBIT A35**

**PLAINTIFF PATRICIA ANDREWS**

Patricia Andrews  
3070 Mattie Wade Road  
Sherrills Ford, NC 28673

James F. Wyatt, III  
WYATT & BLAKE, L.L.P.  
435 East Morehead Street  
Charlotte, NC 28202-2609

Robert J. Gralewski, Jr.  
KIRBY McINERNEY LLP  
825 Third Avenue  
New York, NY 10022

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Produced on 9/17/12

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**SAMSUNG EXHIBIT B35**

**PLAINTIFF PATRICIA ANDREWS**

1. **CRT PRODUCT:** Toshiba Television Model # 27A32; Serial Number 4982370607A
2. **DATE OF PURCHASE:** 2/15/03
3. **LOCATION of PURCHASE:** Best Buy, Hickory, North Carolina
4. **PERSONS INVOLVED IN PURCHASES:** Patricia Andrews (plaintiff)
5. **PRICE:** \$249.99
6. **TAXES/FEES:** The standard sales tax was applied to the purchase of the television.
7. **BUNDLE:** The television was not purchased as part of a bundle or system.
8. **WARRANTIES:** None other than any standard manufacturers' warranties.
9. **PURPOSE of PURCHASE:** Personal use.

See also CRT000766-851.



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Produced on 9/17/12

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**SAMSUNG EXHIBIT D35**

**PLAINTIFF PATRICIA ANDREWS**

**CRTs:** Ms. Andrews does not believe she reviewed any trade publications, advertisements, or news articles relating to the price or product features of CRTs during the relevant time period.

**CRT Products:** Ms. Andrews does not recall reviewing any advertisements for CRT products during the relevant time period.

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Produced on 9/17/12

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**SAMSUNG EXHIBIT E35**

**PLAINTIFF PATRICIA ANDREWS**

Ms. Andrews purchased a flat-screen computer monitor when purchasing a Gateway computer in the early 2000s. Ms. Andrews bought this computer to replace a computer she had at the time.



WELCOME TO BEST BUY #425  
HICKORY, NC 28602  
(828)261-0031

0425 041 9080 02/15/03 17:38 0262946

## EXCHANGE

ORIGINAL STORE# 0268  
ORIGINAL TERMINAL# 002  
ORIGINAL TRANSACTION# 0617  
ORIGINAL SALE DATE 101602

## RETURN ITEMS

4323300 4YR DVD PSP 49.99- N

4YR DVD PSP

PGP # 1910228560

2316274	RESTOCKING	3.12	N
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## SALE ITEMS

4533758 DVD793CH 140.99

DVD CHANGER WITH PROGRESSIVE

4528675 27A32 249.99

TOSHIBA 27" TV

SUBTOTAL	344.11
SALES TAX 7.00 %	27.37

TOTAL 371.40

XXXXXXXXXXXX5104 K SUPERCARD	371.48
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APPROVAL 067616

### 6 Months With Payments Plan

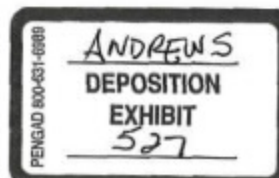
This is a same as cash plan. Monthly Payments required. Finance Charges accrue from purchase date. If min. monthly payments are made when due & if purchase paid in full before promo expires, Finance Charges are not assessed.

CUSTOMER  
SIGNATURE

MANAGER

CUSTOMER

ACT-02-1 (07/01)



CRT000846

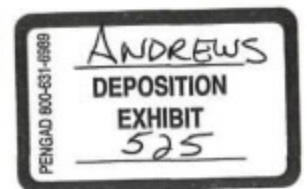
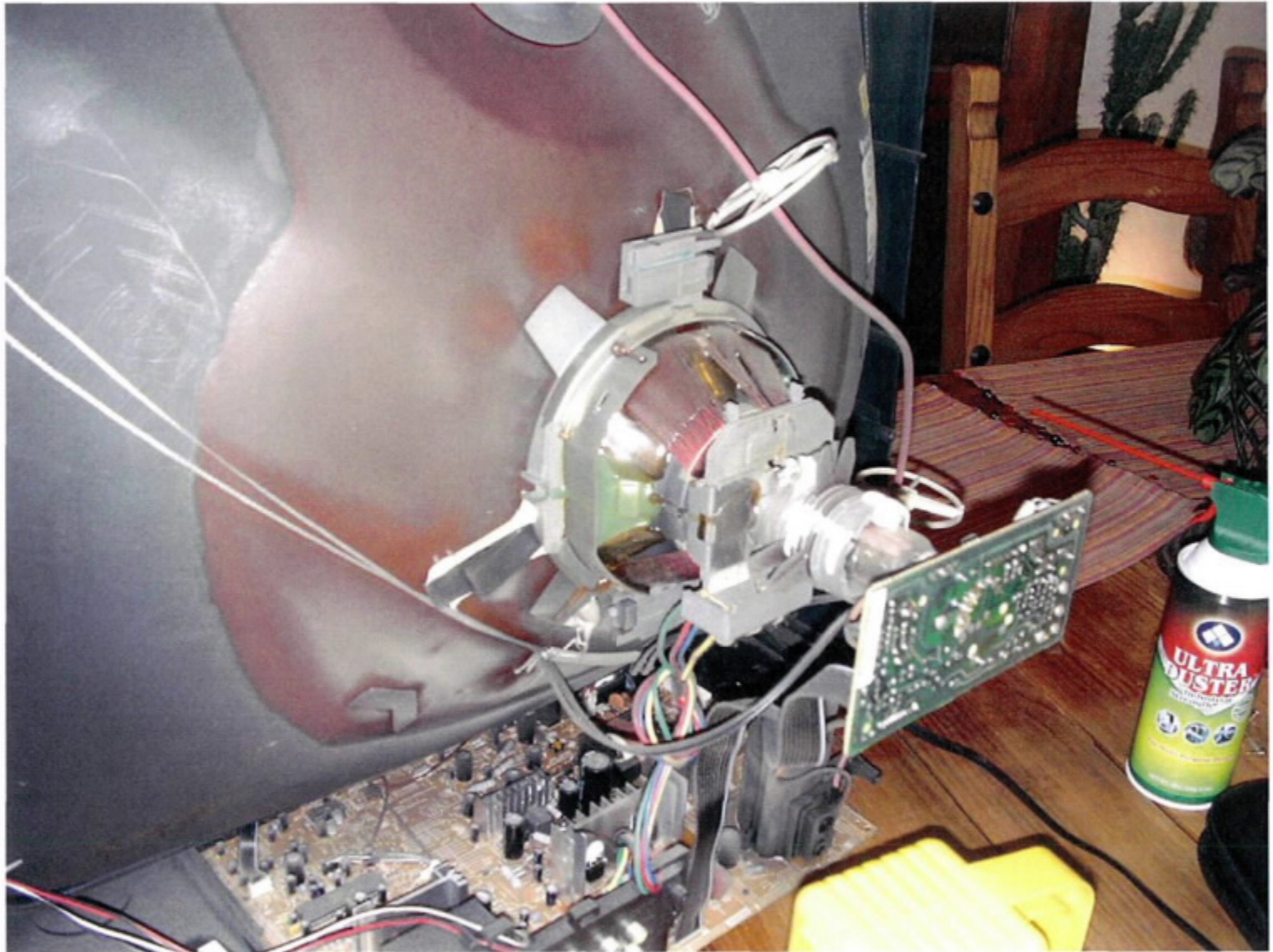


### KEEP YOUR RECEIPT!

- Your original receipt is required for all returns, exchanges, price matches and warranty repair services. Merchandise missing the original Universal Product Code (UPC) cannot be returned, it may only be exchanged for the same product.
- We accept returns & exchanges 14 days from the original date of purchase on Computers, Monitors, Printers, Notebook Computers, Camcorders, Digital Cameras, and Radar Detectors.
- We accept returns or exchanges 30 days from the original date of purchase on our merchandise (excluding items listed above) containing all original packaging and accessories.
- You may only EXCHANGE Computer Software, DVD or VHS Videos, Video Games and Music for the same title, if the original is defective.
- No refund on labor or installation services. **No returns** on opened: Computer Software, DVD or VHS Videos, Video Games and Music.
- Refunds of cash purchases over \$250 and check purchases over \$100 will be issued by check from our corporate office within 14 business days of return.
- **Restocking Fees** will be applied to ANY product not returned in 'like new condition' including missing the original box, packaging materials, or contents, accessories or manuals. A 15% restocking fee will be charged on returns or exchanges of any opened: notebook computer, camcorder, digital camera or radar detector, unless defective.
- The BestBuy.com™ site's policies may vary from our in-store policies. Please see [www.bestbuy.com](http://www.bestbuy.com) for complete details and the BestBuy.com privacy statement.
- See your local Best Buy store for further details.

# **EXHIBIT 44**





CRT000830



E50423



LG.PHILIPS Displays



# A68AJB82X10

# R27TNTN

ASSEMBLED IN MEXICO  
BSI CERT 7525

EIA 312

WNA

E31254

SP LR22773



**WARNING - HANDLE WITH CARE.** Breakage of this tube, which contains a high vacuum, may result in injury from flying glass. Remove tube carefully from container. Do not strike or scratch the tube or subject it to more than moderate pressure when inserting into or removing from its socket in electronic equipment.

**AVERTISSEMENT - MANIER ATTENTIVEMENT.**

Au cas de la fracture de ce tube qui contient un vide à haute tension, on peut s'être blessé par éclats volants. Retirez le tube attentivement du récipient. Ne pas trapper ou ne pas gratter le tube, et éviter trop de pression quand on l'insère dans l'équipement électronique. Ne pas attacher le tube à ou détacher le tube de sa douille dans l'équipement électrique.

**X-RAY WARNING.** When picture tubes are operated above the design maximum anode voltage, and when personal exposure is prolonged at close range, special shielding precautions against x-ray radiation may be needed.

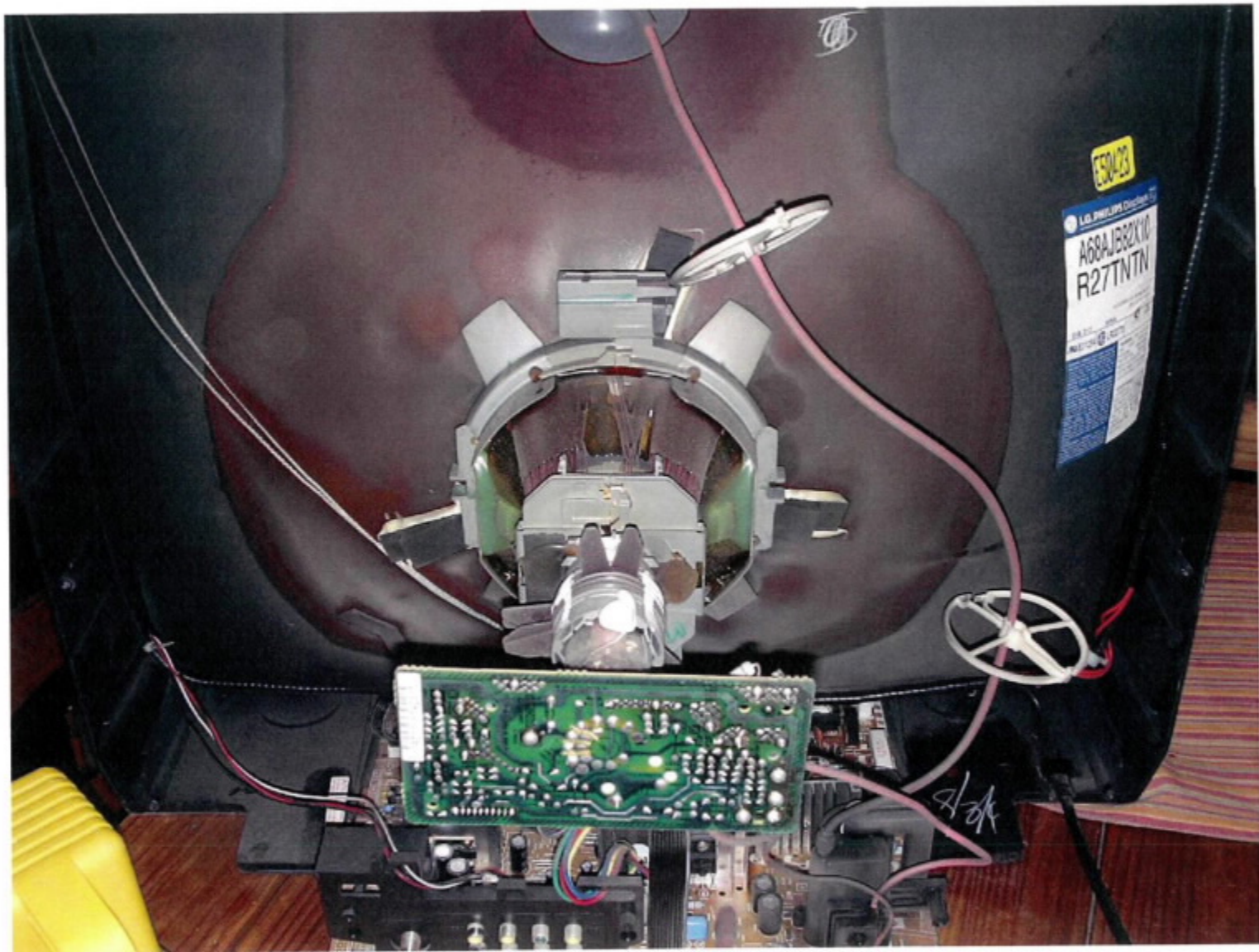
**AVERTISSEMENT RAYONS-X.** Quand tube image est mis dépassant le voltage maximum designé ou quand l'exposition du corps est prolongée, au distance près, quelque bouclier spécial contre rayons-X puisse être nécessaire.

**"WARNING: THIS CATHODE RAY TUBE EMPLOYS INTEGRAL IMPLOSION PROTECTION. REPLACE WITH A CATHODE RAY TUBE OF THE SAME TYPE NUMBER FOR CONTINUED SAFETY."**

**"AVERTISSEMENT: CE TUBE CATHODIQUE EST ÉQUIPÉ D'UN DISPOSITIF INTÉGRÉ DE PROTECTION CONTRE L'IMPLOSION. REMPLACER PAR UN TUBE DE MÊME MODÈLE POUR NE PAS LA COMPROMETTRE SÉCURITÉ."**





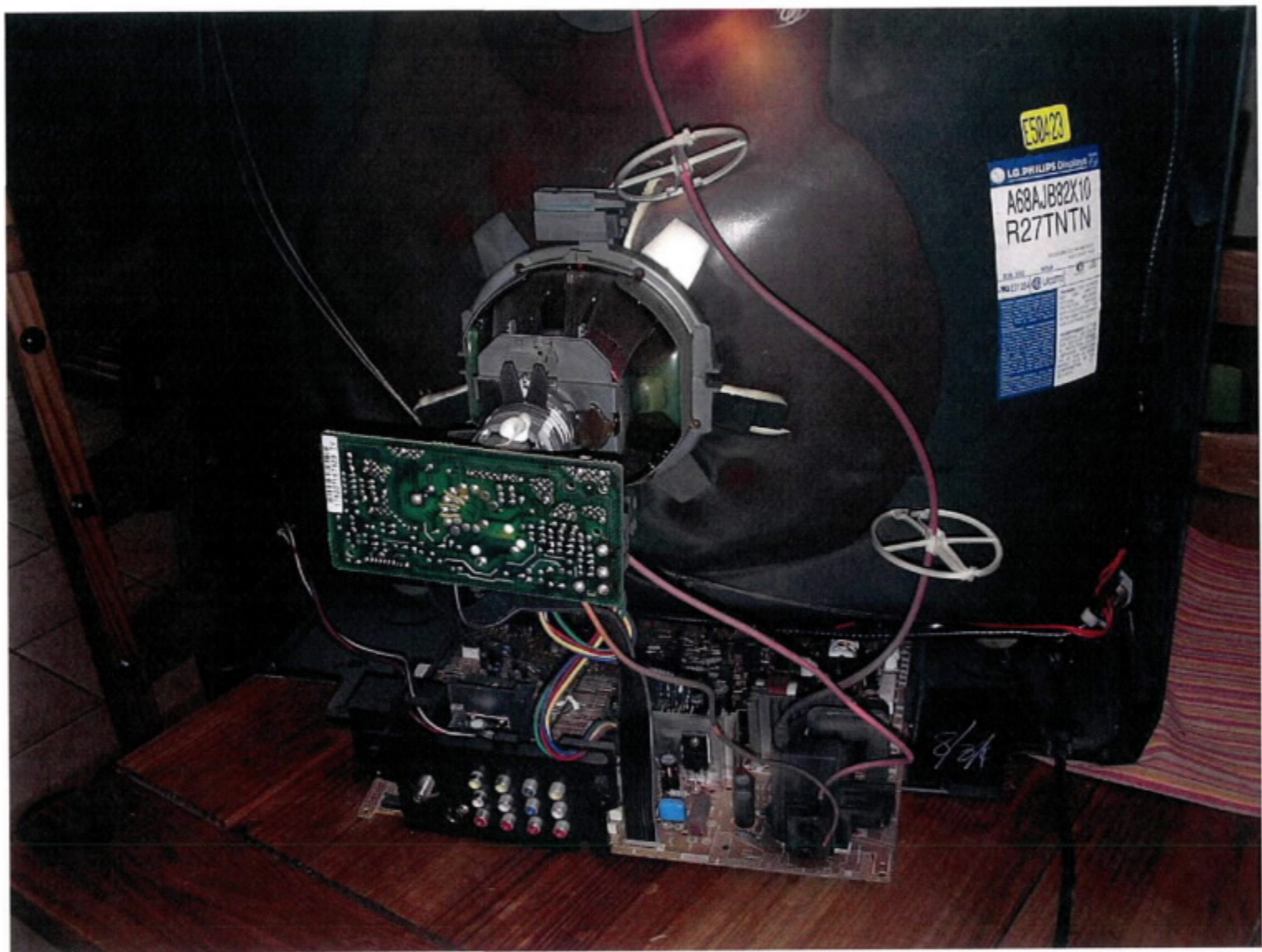


CRT000833



CRT000834





CRT000835

# **EXHIBIT 45**

1 UNITED STATES DISTRICT COURT  
2 NORTHERN DISTRICT OF CALIFORNIA  
3 SAN FRANCISCO DIVISION

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5  
6 In Re: CATHODE RAY TUBE (CRT) )  
7 ANTITRUST LITIGATION, )  
8 Plaintiff, )

Case No.  
07-5944 Sc  
MDL No. 1917

9 This Document Relates to: )  
10 ALL ACTIONS, )  
11

12  
13  
14  
15 VIDEOTAPED DEPOSITION OF GARY HANSON  
16 FRIDAY, MAY 4, 2012  
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25 REPORTER: BALINDA DUNLAP, CSR 10710, RPR, CRR, RMR

A P P E A R A N C E S

---oOo---

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SAMSUNG SDI CO., LTD., TIANJIN SAMSUNG SDI CO.,  
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(Telephonic Appearance)

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## EXAMINATIONS

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MR. BALLARD

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1 FARGO, NORTH DAKOTA, MAY 4, 2012

2 ---o0o---

3 BE IT REMEMBERED that on Friday, the 4th  
4 day of May 2012, commencing at the hour of 9:27  
5 a.m. thereof, at 1202 27th Street South, Suite B,  
6 Fargo, North Dakota, before me, Balinda Dunlap, a  
7 Certified Shorthand Reporter in and for the County  
8 of San Francisco, State of California, personally  
9 appeared:

09:26 10 THE VIDEOGRAPHER: We are now on the  
11 record. Good morning. My name is Jeffrey Anders.  
12 I am a videographer associated with Barkley Court  
13 Reporters, located at 1875 Century Park East, Suite  
14 1300, in Los Angeles, California.

09:26 15 Today's date is May 4th, 2012. The time  
16 is 9:27 a.m. This deposition is taking place at  
17 Jeffries, Olson & Flom law offices in Fargo, North  
18 Dakota in the matter of In Re: Cathode Ray Tube  
19 Antitrust Litigation, Case No. 07-5944 SC.

09:27 20 This is the videotape deposition of Gary  
21 Hanson being taken on behalf of the plaintiff.

22 Would counsels for the parties please  
23 identify themselves.

24 MR. BALLARD: Mr. Hanson, good morning.  
09:27 25 We just met. My name is Dylan Ballard, and I

1 represent the Samsung SDI defendants in this case.

2 MR. FLOM: I am Joel Flom, Jeffries, Olson  
3 & Flom appearing for Mr. Hanson and with  
4 Mr. Gralewski.

09:27 5 MR. GRALEWSKI: Bob Gralewski, Kirby  
6 McInerney, on behalf of the witness and the class.

7 MR. MALAISE: Chuck Malaise, Baker Botts,  
8 for the Philips defendants.

9 THE VIDEOGRAPHER: Thank you. And the  
09:27 10 court reporter will now swear in the witness.  
11 Please swear the witness.

12 GARY HANSON

13 called as a witness by the Defendant, having  
14 been sworn to tell the truth, the whole truth, and  
09:28 15 nothing but the truth, was examined and testified as  
16 follows:

17 ---o0o---

18 EXAMINATION BY MR. BALLARD

19 Q. Mr. Hanson, can we start by having you  
09:28 20 state and spell your full name for the record?

21 A. Gary W. Hanson, G-a-r-y, W, H-a-n-s-o-n.

22 MR. GRALEWSKI: Counsel, not to interrupt  
23 your questioning, but just for the record, I just  
24 want to note that the deposition is being taken  
09:28 25 pursuant to a notice issued by the defendants.

1 MR. BALLARD: I meant to note that as  
2 well.

3 MR. GRALEWSKI: Thank you.

4 Q. BY MR. BALLARD: What does the "W" stand  
09:28 5 for?

6 A. Wayne, sorry.

7 Q. And how old are you, sir?

8 A. Sixty-one.

9 Q. What's your date of birth?

09:28 10 A. 5/10/50.

11 Q. Where do you live?

12 A. West Fargo.

13 Q. What's your address?

14 A. Address, 836 Lakeridge, all one word,  
09:28 15 Place, West Fargo 58078.

16 Q. And how long have you lived at that  
17 Lakeridge address?

18 A. Nine years, going on ten.

19 Q. And is that your only home currently?

09:29 20 A. That is my residence, correct.

21 Q. You don't have any other homes?

22 A. I have lake property.

23 Q. Where is that located?

24 A. Fergus Falls, Minnesota.

09:29 25 Q. About how much time do you spend in Fergus

1 Falls?

2 A. Thirty percent.

3 Q. Sort of a summer property?

4 A. Correct, recreational.

09:29 5 Q. Do you pay taxes in North Dakota?

6 A. Yes.

7 Q. Do you pay taxes in any other state?

8 A. Real estate taxes, yes.

9 Q. In Minnesota?

09:29 10 A. In Minnesota.

11 Q. No other taxes --

12 A. No.

13 Q. -- in that other state? Do you own a car?

14 A. Yes.

09:29 15 Q. And what state is that registered?

16 A. North Dakota.

17 Q. Are you registered to vote in North

18 Dakota?

19 A. Yes.

09:29 20 Q. What about in any other state?

21 A. No.

22 Q. Have you ever lived outside of North  
23 Dakota, other than the Minnesota property that we  
24 just talked about?

09:30 25 A. I was born and raised in Minnesota.

1 Q. When did you move to North Dakota?

2 A. 1972.

3 Q. Have you ever had your deposition taken  
4 before?

09:30 5 A. No.

6 Q. I just want to kind of quickly go through  
7 some of the ground rules, sort of a spiel that's  
8 given at every deposition, but the point is just to  
9 make sure that you and I and the court reporter are  
09:30 10 on the same page.

11 We do have a court reporter here today.  
12 She's going to be transcribing everything that is  
13 said in the room that's on the record.

14 Do you understand that?

09:30 15 A. Yes.

16 Q. And for that reason, it's important that  
17 we don't talk over each other, that we let each  
18 other finish before positing a question or giving  
19 an answer.

09:30 20 A. Okay.

21 Q. If you don't understand one of my  
22 questions today, will you let me know and I'll do  
23 my best to rework it?

24 A. Yes.

09:31 25 Q. If you don't tell me that, if you don't

1 tell me that the question's confusing and you go  
2 ahead and answer it, I am going to assume that you  
3 understood it, okay?

4 A. Okay.

09:31 5 Q. Is there any reason that you can't give me  
6 complete and accurate testimony today?

7 A. Not that I'm aware of.

8 Q. Did you graduate high school, sir?

9 A. Yes.

09:31 10 Q. What year did you graduate?

11 A. 1968.

12 Q. And did you go to college?

13 A. Yes.

14 Q. What college did you go to?

09:31 15 A. Moorhead State University.

16 Q. Sorry, Moorhead?

17 A. Moorhead State University, correct.

18 Q. And during what years did you attend  
19 Moorhead?

09:31 20 A. '68 to '72.

21 Q. And did you earn a degree?

22 A. Yes.

23 Q. What was it?

24 A. An accounting degree.

09:31 25 Q. A BA?

1 A. I believe so, yes.

2 Q. Do you have any postgraduate education?

3 A. No.

4 Q. Any other education after high school --  
09:32 5 after college, sorry?

6 A. Other than professional course work,  
7 seminars, et cetera in the line of my business.

8 Q. And what is your business, sir?

9 A. I am a trust officer.

09:32 10 Q. Can you explain to me what a trust officer  
11 does?

12 A. Essentially we manage other people's money  
13 or affairs depending upon the nature of the  
14 relationship. We are an independent trust company.  
09:32 15 We provide independent third-party fiduciary  
16 services in the way of estate settlement, trust and  
17 retirement plan.

18 Q. And where do you work right now?

19 A. Heartland Trust Company.

09:32 20 Q. And how long have you worked at Heartland?

21 A. Company started 22 years ago. I am a  
22 partner in it.

23 Q. You've been there since the beginning?

24 A. Correct.

09:32 25 Q. Okay. And where is Heartland located?

1 A. 1202 27th Street South in Fargo.

2 Q. I thought I just saw that. And do you  
3 have a job title at Heartland other than partner?

4 A. Senior vice president.

09:33 5 Q. And what are your sort of day-to-day  
6 responsibilities?

7 A. I head up and manage the corporate  
8 retirement plan area, which is about a third of our  
9 business.

09:33 10 Q. And is that the role you've played since  
11 the beginning or is that --

12 A. Yes.

13 Q. Do you know what a cathode ray tube is?

14 A. Yes.

09:33 15 Q. What is it?

16 A. It's the tube that provides the projection  
17 on a TV or a computer monitor.

18 Q. And have you ever seen one before?

19 A. Yes.

09:34 20 Q. And what do they look like?

21 A. Oblong whatever -- I don't know what the  
22 word is for the description of the shape.

23 Q. Okay. Just to get some definitions out of  
24 the way, during this deposition, I'm going to refer  
09:34 25 to a cathode ray tube, the component that we just



1 talked about --

2 A. Okay.

3 Q. As a CRT --

4 A. Okay.

09:34 5 Q. -- is that okay? And do you know what  
6 CRTs are used for?

7 A. What they're used for?

8 Q. What do people do with the CRT component  
9 that we just talked about?

09:34 10 MR. GRALEWSKI: Object to the form. Asked  
11 and answered.

12 THE WITNESS: I am not sure I understand  
13 what you're asking.

14 Q. BY MR. BALLARD: Let me try it a different  
09:34 15 way. Are CRTs used in certain kinds of products?

16 A. Yes.

17 Q. What kind of products are they used in?

18 A. If I'm watching a TV or using a computer,  
19 I am using a CRT monitor screen.

09:35 20 Q. So CRTs are used in televisions and  
21 monitors?

22 A. To the best of my knowledge, yes.

23 Q. So for the record of this definition, I am  
24 going to refer to the TV, the monitor, any other  
09:35 25 product that might contain a CRT in it, as a CRT

1 product; is that okay?

2 A. Okay.

3 Q. Have you ever worked for a company that  
4 had any involvement with CRTs?

09:35 5 A. No.

6 Q. Have you ever had a job in sales or  
7 marketing?

8 A. No.

9 Q. Have you ever held stock in any of the  
09:35 10 defendants in this case?

11 A. I do not believe so.

12 Q. Have you ever held stock, as far as you  
13 know, in any company that had any involvement with  
14 CRTs?

09:36 15 A. That I don't know.

16 MR. GRALEWSKI: Object to the form.  
17 Vague. Overbroad.

18 Q. BY MR. BALLARD: Did you do anything to  
19 prepare for this deposition today?

09:36 20 A. Please clarify.

21 Q. Anything at all to get ready for this  
22 event that we're holding right now?

23 A. I reviewed some of the material that has  
24 been provided to me in the normal course -- or over  
09:36 25 the course of the case.

1 Q. And what materials did you review?

2 A. The original complaint, the amended  
3 complaint to look at the front page, make sure my  
4 name was on it.

09:36 5 Q. Other than the original complaint and the  
6 amended complaint, any other documents?

7 MR. GRALEWSKI: I am going to interpose an  
8 objection. To the extent the -- well, I'll just do  
9 it this way: As phrased, the question seeks to  
09:37 10 invade the work product privilege and the  
11 attorney-client privilege, and as phrased, I'll  
12 instruct the witness not to answer.

13 Q. BY MR. BALLARD: My question is: Other  
14 than documents that you reviewed with your  
09:37 15 attorney, did you review any other documents other  
16 than the two complaints that you just mentioned?

17 A. No.

18 Q. Did you meet with an attorney before this  
19 deposition?

09:37 20 A. Yes.

21 Q. Who did you meet with?

22 A. Mr. Flom and Mr. Gralewski.

23 Q. And did you meet with them together?

24 A. Yes.

09:37 25 Q. How many times did you guys meet?

1 A. Once.

2 Q. And when was that?

3 A. Yesterday.

4 Q. And about how long was that meeting?

09:37 5 A. Hour and 45 minutes.

6 Q. Did you talk with anyone else regarding

7 this deposition?

8 A. No.

9 Q. Taken any notes regarding this deposition?

09:37 10 A. No.

11 Q. Was the meeting that you had with Mr. Flom

12 and Mr. Gralewski, was that the entirety of your

13 preparation for this deposition?

14 A. Yes.

09:38 15 Q. Other than the lawsuit that we're here to

16 talk about today, have you ever been a party to any

17 other lawsuit?

18 A. No.

19 Q. Have you ever testified as a witness?

09:38 20 A. No. Let me amend that.

21 Q. Sure.

22 A. In my early career as a trust officer for

23 a local bank, I did occasionally have to appear in

24 County court for accounting testimony on trust

09:38 25 accounts.

1 Q. Okay. And so what kind of cases were  
2 those?

3 A. Routine guardianship trust accounting  
4 reviews by the County court.

09:38 5 Q. Did you have a lawyer --

6 A. No.

7 Q. -- in connection with that testimony?

8 A. No.

9 Q. And I think you said earlier that you have  
09:39 10 never been deposed before?

11 A. Correct.

12 Q. Have you ever received a notice saying  
13 that you could be a member of a class, in a class  
14 action?

09:39 15 A. Did I receive a notice? Not sure I know  
16 what notice you might be referring to.

17 Q. Did you ever receive anything in the mail  
18 that said you might be a member of a class in a  
19 class action?

09:39 20 A. After consulting with the attorney on this  
21 particular one, I have received updates in the  
22 mail, yes.

23 Q. In connection with this case?

24 A. Yes.

09:39 25 Q. But not in connection with any other case?

1 A. No.

2 Q. How did you come to be a named plaintiff  
3 in this case?

4 A. My firm is the service provider for the  
09:40 5 Olson, Jeffries & Flom retirement plan. In that  
6 regard, in general conversation with Joel, he  
7 inquired if I had purchased a TV or computer  
8 monitor in the past few years, and I answered yes.  
9 And he said, "Are you aware of any action or a  
09:40 10 class action that pertains to price-fixing  
11 regarding products in those," and I said, "No."  
12 And he said --

13 MR. GRALEWSKI: I am going to --

14 MR. BALLARD: You shouldn't interrupt the  
09:40 15 witness.

16 MR. GRALEWSKI: I should interrupt the  
17 witness if the witness is going to divulge  
18 attorney-client communications, and I just want to  
19 instruct the witness to be cautious that in  
09:40 20 answering counsel's question, you do not reveal  
21 communications with counsel.

22 MR. BALLARD: And I just want to say for  
23 the record that I think it is improper to interrupt  
24 the witness. You can object to my question, but  
09:41 25 you can't stop him from speaking.

1 MR. GRALEWSKI: I am objecting to your  
2 question belatedly. So you can certainly answer  
3 the question, Mr. Hanson, but in doing so, you are  
4 not to reveal any communications with counsel.  
09:41 5 That would be considered privileged.

6 Q. BY MR. BALLARD: Did you have more to say?

7 A. In the course of that conversation that I  
8 mentioned earlier, the question was asked if I  
9 would be a willing participant in that class action  
09:41 10 because I had purchased those products representing  
11 North Dakota. I asked what that would involve --

12 MR. GRALEWSKI: And I am going to instruct  
13 you not to disclose any more communications with  
14 counsel, as any further communications would be  
09:41 15 providing legal advice. So you're not permitted to  
16 divulge that information.

17 THE WITNESS: Okay.

18 Q. BY MR. BALLARD: When was this  
19 conversation with Mr. Flom?

09:42 20 A. Early in 2008.

21 Q. Do you have a recollection of the month?

22 A. Probably February.

23 Q. And following your conversation with  
24 Mr. Flom, you agreed to become a named plaintiff in  
09:42 25 this lawsuit?

1 A. Yes.

2 Q. Prior to filing this lawsuit, were you  
3 aware that you can file a lawsuit as an individual  
4 rather than as a purported representative of a  
09:42 5 class?

6 A. No.

7 Q. Do you have a written contract with your  
8 lawyer in this case?

9 A. No, I do not.

09:42 10 Q. Have you reached any kind of agreement,  
11 even if unwritten, regarding the payment of  
12 attorney fees?

13 A. There has been no discussion in that  
14 regard.

09:43 15 Q. Nothing about the payment of litigation  
16 costs?

17 A. No.

18 Q. Do you have an understanding as to what  
19 your attorneys' fees in this case are likely to be?

09:43 20 A. I haven't been involved in that. I don't  
21 know that that's my...

22 MR. BALLARD: Okay. Go off the record for  
23 like 30 seconds.

24 THE VIDEOGRAPHER: We are now going off  
09:43 25 the record.



1 (Whereupon a recess was taken.)

2 (Reporter marked [Exhibit No. 122](#) for  
3 identification.)

4 THE VIDEOGRAPHER: We are now back on the  
09:45 5 record.

6 Q. BY MR. BALLARD: So you have just been  
7 handed what's been marked as Exhibit 122, and this  
8 document is titled "Indirect Purchaser Plaintiffs'  
9 Amended and Supplemental Objections and Responses  
09:45 10 to Defendant Samsung SDI Co., Ltd.'s First Set of  
11 Interrogatories."

12 My first question is: Have you ever seen  
13 this document before?

14 MR. GRALEWSKI: Just before the witness  
09:45 15 answers the question, which he certainly can  
16 answer, I want to interpose an objection to the use  
17 of this document now going forward, as it is an  
18 incomplete document.

19 You may proceed.

09:45 20 MR. BALLARD: Could you explain that?

21 MR. GRALEWSKI: Could I explain it?

22 MR. BALLARD: How is it incomplete?

23 MR. GRALEWSKI: It doesn't contain the  
24 exhibits that the document references, but I have  
09:45 25 stated my objection. You can proceed.

1 THE WITNESS: Would you repeat your  
2 question, please?

3 Q. BY MR. BALLARD: My question is just have  
4 you ever seen this before?

09:46 5 A. I believe so, but I have looked at three  
6 or four or five, and I am not sure that I recall  
7 exactly which one is which.

8 Q. But is it your understanding that these  
9 are your and the other indirect purchaser  
09:46 10 plaintiffs' responses to Samsung SDI's  
11 interrogatories in this case?

12 A. Is my specific response to questions I was  
13 given in this document, is that what I'm reviewing,  
14 or is this the general?

09:46 15 Q. I guess my question is: What is this  
16 document?

17 A. Not being an attorney, it's the document  
18 filed in regard to the litigation in this case.

19 Q. Did you have any involvement in preparing  
09:47 20 this document?

21 MR. GRALEWSKI: Object to the form. Vague  
22 and ambiguous.

23 THE WITNESS: Directly, no.

24 Q. BY MR. BALLARD: Did you have any indirect  
09:47 25 involvement?

1 MR. GRALEWSKI: Same objection.

2 THE WITNESS: That I don't know. I'm  
3 relying on attorneys to do what they're supposed to  
4 do in this case regarding the documentation.

09:47 5 Q. BY MR. BALLARD: I'd like you to look at  
6 Page 7, I guess, I think, and specifically the  
7 paragraph that's headed "Interrogatory No. 3." And  
8 I'll just read the first part of that first  
9 sentence. It says:

09:47 10 "Separately identify each acquisition  
11 of a CRT product upon which you base  
12 any claim in this action."

13 Do you see that?

14 A. Yes.

09:47 15 Q. If you skip down to the response to No. 3,  
16 the last sentence says:

17 "Responding further, indirect  
18 purchaser plaintiffs refer to Samsung  
19 Exhibit B1 through B25."

09:48 20 Do you see that?

21 A. Yes.

22 (Reporter marked [Exhibit No. 123](#) for  
23 identification.)

24 Q. BY MR. BALLARD: So you have just been  
09:48 25 handed Exhibit 123, and this document has a heading

1 saying:

2 "Samsung Exhibit B19, plaintiff Gary

3 Hanson."

4 Have you seen this document before?

09:48 5 A. Yes.

6 Q. And what is this?

7 A. These are the responses I provided in  
8 regard to the questions of my purchases of products  
9 involved in the litigation.

09:49 10 Q. Okay. And the first -- there's numbered  
11 sections on this page, and the first numbered  
12 section says "1, CRT product," and then looks like  
13 there are five products listed there. Are those  
14 the purchases for which you claim damages in this  
09:49 15 case?

16 A. Yes.

17 Q. These five products?

18 A. Yes.

19 Q. Do you claim damages on any other  
09:49 20 products?

21 A. No.

22 Q. Have you ever purchased a CRT product for  
23 which you are not claiming damages in this case?

24 MR. GRALEWSKI: Object to the form. Vague  
09:49 25 and ambiguous.

1           You can answer.

2           THE WITNESS: I am going to say yes,  
3 because I don't know that I had any other records  
4 on any other products during that time period that  
09:50 5 I was given.

6           Q. BY MR. BALLARD: What other CRT products  
7 have you purchased?

8           MR. GRALEWSKI: Object to the form. Vague  
9 and ambiguous. Overbroad.

09:50 10           Do you want him to answer the question  
11 ever?

12           Q. BY MR. BALLARD: Since 1995?

13           MR. GRALEWSKI: Thank you.

14           THE WITNESS: I am pretty sure I have  
09:50 15 purchased an additional television or two not on  
16 this list.

17           Q. BY MR. BALLARD: And do you have any  
18 recollection as to when those purchases occurred?

19           A. No, I don't.

09:50 20           Q. And why are you not claiming damages for  
21 those television purchases?

22           MR. GRALEWSKI: You can answer the  
23 question. I just want to caution you not to  
24 divulge communications with counsel or reveal any  
09:50 25 legal advice.

1           If you can answer that without revealing  
2   that, then go ahead. Otherwise I instruct you not  
3   to answer.

4           THE WITNESS: I did not have any relevant  
09:51 5   documentation to provide.

6           MR. BALLARD: Okay.

7                   (Reporter marked [Exhibit No. 124](#) for  
8           identification.)

9           Q. BY MR. BALLARD: So you have just been  
09:51 10   handed Exhibit 124, and this appears to be a  
11   photograph. Is this a photo of the RCA television  
12   that's identified in Part 1-A of the document we  
13   were just talking about?

14          A. I believe that might be 1-C.

09:52 15          Q. If you look at the -- there's a label in  
16   the lower right corner and it has a serial number  
17   on it, says "536412180."

18          A. Then I am mistaken, it is 1-A.

19          Q. Okay. Who took this photo?

09:52 20          A. I did, and not very well.

21          Q. And you took this photo, looks like March  
22   20th, 2008, right?

23          A. That's the date in the camera. I'm assume  
24   that would be correct. I have been known to not  
09:52 25   have correct dates in my camera when taking

1 pictures on occasion, but I will say that's  
2 probably a correct date at that time.

3 Q. You don't have any reason to think it was  
4 taken on some other date?

09:53 5 A. No.

6 Q. Why did you take this photo?

7 A. I was --

8 MR. GRALEWSKI: You can answer the  
9 question. You can't tell counsel anything your  
09:53 10 lawyers asked you to do or anything you told your  
11 lawyers. So if you can answer the question without  
12 revealing communications, you can. Otherwise, I  
13 instruct you not to answer.

14 THE WITNESS: I took the picture to  
09:53 15 provide additional documentation in response to the  
16 questions I was asked regarding the purchase.

17 Q. BY MR. BALLARD: Questions that you were  
18 asked by whom? Are you referring to the  
19 interrogatories?

09:53 20 A. Correct.

21 Q. I'm sorry.

22 A. Sorry.

23 Q. And where was this photo taken?

24 A. Because I don't recall exactly where I  
09:54 25 took the photo, it would either be in my residence

1 or my lake property.

2 Q. You don't know where this photo was taken  
3 at?

4 A. I can't recall where it was at the time I  
09:54 5 took the photo, no.

6 Q. Okay. As I mentioned earlier, looks like  
7 a label on the bottom right corner that says  
8 "Hanson, Gary" and has a model number and a serial  
9 number. Where did this label come from?

09:54 10 A. I don't know.

11 Q. You didn't put it on there?

12 A. No.

13 Q. Do you know where the information for the  
14 model number and the serial number came from?

09:54 15 A. I provided that.

16 Q. You have documentation that shows the  
17 model number and the serial number for this TV?

18 A. Yes, the card on the TV itself.

19 Q. You read it off of that card?

09:54 20 A. Yes, yes.

21 Q. What size is this TV?

22 A. Guessing, 25-inch.

23 Q. Okay. And just looking back at this

24 Exhibit B19 we were talking about, if I'm reading

09:55 25 this correctly, it says that you purchased this in



1 1995?

2 A. Correct.

3 Q. When in 1995 did you purchase it?

4 A. That I don't recall.

09:55 5 Q. How do you know that it was in 1995?

6 A. Because when I looked at the TVs that I  
7 currently have at the time in 2008, this particular  
8 model, as I recall, indicated it was manufactured  
9 in 1995, and I would have purchased it somewhere  
09:56 10 after the time it was manufactured, but I do not  
11 have specific records with the exact date of  
12 purchase.

13 Q. So you don't have any way of determining  
14 in what month in 1995 you purchased this?

09:56 15 A. No, I do not.

16 Q. Did you purchase this new or used?

17 A. New.

18 Q. Do you have any documents that might shed  
19 light on when you purchased this?

09:56 20 A. No, I do not.

21 Q. Other than this photo, do you have any  
22 other documents at all relating to this TV?

23 A. No.

24 Q. You don't have any receipts, for example?

09:56 25 A. No.

1 Q. Do you know what you did with the receipt?

2 A. I am sure it was recycled in my normal  
3 six- or seven-year dissolution and shredding of  
4 documents and put in the trash.

09:56 5 Q. So every six or seven years you shred?

6 A. Correct.

7 Q. What kinds of documents?

8 A. Credit card receipts, bills, statements,  
9 check registers, canceled checks.

09:57 10 Q. And it says that you bought this at a Best  
11 Buy in Fargo, North Dakota; is that correct?

12 A. I believe that's where I purchased it.  
13 Because I used to frequent Best Buy often for my  
14 electronics needs.

09:57 15 Q. Do you have a specific memory of buying  
16 this at Best Buy?

17 A. Not exactly, no.

18 Q. Did you ever shop at other places that  
19 sold TVs during this time?

09:57 20 A. Not that I recall.

21 Q. Did you purchase this -- did you actually  
22 walk into the store and buy it or did you buy it on  
23 the Internet?

24 A. It would be in store.

09:57 25 Q. I guess 1995 is a little early for

1 Internet.

2 Why did you decide to buy this from Best  
3 Buy?

4 A. They were one of the first big-box  
09:58 5 retailers in the area, and they would have what  
6 appeared to be the best prices.

7 Q. So did you shop around to determine that  
8 Best Buy, in fact, had the best prices?

9 A. I am sure I would have done some  
09:58 10 comparative looking to see what prices were  
11 available, yes.

12 Q. How did you pay for this TV?

13 A. I am assuming credit card.

14 Q. And why do you assume that?

09:58 15 A. Because I do most of my purchases through  
16 credit card.

17 Q. Is it possible you paid for it by some  
18 other method?

19 A. Possibly.

09:58 20 Q. Assuming you paid for it with a credit  
21 card, did the funds come out of a bank account?

22 A. Credit card statement would have been paid  
23 by check, correct.

24 Q. And where would those funds -- where was  
09:59 25 that bank account located?

1 A. First National Bank, or at that time  
2 Norwest.

3 Q. And is that in North Dakota?

4 A. Correct, Fargo, North Dakota.

09:59 5 Q. How much did you pay for this TV?

6 A. I do not recall exactly.

7 Q. You have no recollection as to the price  
8 that you paid?

9 A. No, I don't.

09:59 10 Q. Do you remember if you got a rebate for  
11 the TV?

12 A. I do not remember.

13 Q. Do you remember if you got a warranty in  
14 connection with the TV?

09:59 15 A. I'm assuming whatever warranty would have  
16 come with the product at the time.

17 Q. But you don't know if you got a warranty  
18 or not?

19 MR. GRALEWSKI: Object to the form. Asked  
10:00 20 and answered.

21 THE WITNESS: I did not purchase an  
22 additional warranty, that I would say for sure.

23 Q. BY MR. BALLARD: Why did you buy this TV?

24 A. General personal recreational use.

10:00 25 Q. Home viewing?

1 A. Home viewing.

2 Q. And were there any features that were  
3 important to you when you purchased this TV?

4 A. I'm pretty sure it had a remote.

10:00 5 Q. That was the only condition?

6 A. Yes.

7 Q. Price wasn't a factor?

8 MR. GRALEWSKI: Object to the form. Lacks  
9 foundation. Misstates testimony.

10:00 10 You can answer.

11 THE WITNESS: As I indicated, I would have  
12 done some comparative shopping to see where a  
13 similar comparable -- and again, them being the  
14 first big-box retailer in Fargo, that was where  
10:01 15 they were. That's where I purchased it, or would  
16 have -- or think I would have purchased it for that  
17 reason.

18 Q. BY MR. BALLARD: What price range were you  
19 looking at?

10:01 20 A. Back then I don't recall.

21 Q. Did you have any preference when it came  
22 to brand?

23 A. Not that I recall.

24 Q. There weren't any brands that you just  
10:01 25 wouldn't buy?

1 A. Not that I'm aware of.

2 Q. Do you still have this TV?

3 A. No.

4 Q. What did you do with it?

10:01 5 A. It was donated to the YWCA Shelter.

6 Q. I'm sorry, YW?

7 A. YWCA.

8 Q. Young Womens Center of America, I think.

9 And when did that occur?

10:02 10 A. Within the past couple of years.

11 Q. You don't remember the precise year?

12 A. No. My daughter is the associate  
13 executive director of the YWCA, and I have a  
14 pattern of donating monetary and nonmonetary. This  
10:02 15 is one that was old and was donated to the shelter  
16 for their use.

17 Q. And you think that occurred 2010 or later?

18 A. Correct.

19 (Reporter marked [Exhibit No. 125](#) for  
10:03 20 identification.)

21 Q. BY MR. BALLARD: So this is Exhibit 125.

22 This is another photo of what looks like a TV.

23 Is this a photo of the Toshiba television  
24 that is referenced in Part 1-B of Exhibit B19?

10:03 25 A. Yes, it is.

1 Q. And did you take this photo?

2 A. Yes.

3 Q. And it looks like you took it on the same  
4 day as the photo that we just looked at; is that  
10:03 5 right?

6 A. Yes.

7 Q. And where was this photo taken?

8 A. This photo was taken in my West Fargo  
9 residence.

10:03 10 Q. So would that suggest that the photo we  
11 just looked at was also taken in West Fargo?

12 A. I would concur with that, yes.

13 Q. So in March of 2008, you had two TVs in  
14 your --

10:04 15 A. Yes.

16 Q. -- West Fargo house? And again, you  
17 supplied the model number and serial number  
18 information that's on the label?

19 A. Yes, I did.

10:04 20 Q. And what size is this TV?

21 A. This is a 13-inch.

22 Q. How do you know that?

23 A. Because that's what the owner's manual  
24 said, and that's what it is when you measure it.

10:04 25 Q. Okay. If you go back to your

1 interrogatory response, it says that you purchased  
2 this in November or December 2002?

3 A. Correct.

4 Q. How do you know it was in November or  
10:04 5 December?

6 A. Because we moved into this residence in  
7 November of 2002.

8 Q. And how does that lead to the conclusion  
9 that you bought this TV at this time?

10:05 10 A. Because the TV was purchased to be on the  
11 kitchen counter to watch the 6:00 o'clock news.

12 Q. But you don't remember if it was in  
13 November or December?

14 A. Exactly, I do not know.

10:05 15 Q. And you don't have any documents that  
16 would show it?

17 A. No, I don't.

18 Q. Did you ever have a receipt for this TV?

19 A. Again, that would have been gone with my  
10:05 20 normal disposition of old documents.

21 Q. Which occurs every six or seven years, you  
22 said, roughly.

23 If you go down to the next section of your  
24 interrogatory response it says that you bought this  
10:05 25 at Target/Best Buy/Walmart in Fargo, North Dakota?



1 A. Correct.

2 Q. What do you base that response on?

3 A. Because this is a smaller television just  
4 to be on a kitchen counter. It would have been  
10:06 5 wherever I happened to run across one at the time I  
6 was looking to purchase one, and I don't recall.  
7 Those would be my three best recollections where I  
8 might have been to purchase that size of TV.

9 Q. It's possible that you bought it somewhere  
10:06 10 else?

11 A. Possible.

12 Q. And did you purchase this one online?

13 A. No, would have been with a credit card.

14 Q. You went to the Target or the Best Buy or  
10:06 15 the Walmart or whatever it was?

16 A. Yes, yes.

17 Q. And how much did you pay for this one?

18 A. I don't recall the price.

19 Q. Not even a ballpark?

10:07 20 MR. GRALEWSKI: Object to the form. Vague  
21 and ambiguous.

22 THE WITNESS: I would have to take a guess  
23 at best.

24 Q. BY MR. BALLARD: I don't want you to do  
10:07 25 that.

1 Do you remember if this TV was on sale?

2 A. I do not recall.

3 Q. Don't remember if it was discounted in any  
4 way?

10:07 5 A. I do not.

6 Q. You don't remember if there was a rebate  
7 for the TV?

8 A. No, I don't.

9 (Reporter marked [Exhibit No. 126](#) for  
10:08 10 identification.)

11 Q. BY MR. BALLARD: So this is Exhibit 126.  
12 It is a fairly lengthy document, has a Bates No.  
13 CRT000106. It is titled "Owner's Manual" and says  
14 "Toshiba" at the top.

10:08 15 Is this the owner's manual for the TV  
16 we've been talking about?

17 A. I believe it is, yes.

18 Q. Is this a copy of the original manual that  
19 you received with your TV?

10:08 20 A. Yes.

21 Q. And how can I tell that this is the manual  
22 for this TV, this model TV?

23 A. I don't know.

24 Q. If you go to Page 13, that's Bates  
10:09 25 numbered CRT000118.

1 MR. GRALEWSKI: Counsel's referring to the  
2 little red numbers in the bottom, so 118.

3 THE WITNESS: Okay.

4 Q. BY MR. BALLARD: Top of this page says  
10:09 5 "Limited United States Warranty," and then the  
6 first sentence says:

7 "Toshiba America Consumer Products  
8 Incorporated and Toshiba Hawaii  
9 Incorporated make the following  
10:10 10 limited warranties to original  
11 consumers in the United States."

12 Do you see that?

13 A. Yes.

14 Q. And you bought this TV new in the United  
10:10 15 States?

16 A. Yes.

17 Q. If you look down further on the page it  
18 refers to "limited 90-day warranty on labor," a  
19 "limited one-year warranty on parts" and a "limited  
10:10 20 two-year warranty on picture tube."

21 Do you see that?

22 A. Yes.

23 Q. So these are the warranties that you got  
24 with this TV?

10:10 25 A. Yes.

1 Q. Other than this manual and the photo that  
2 we talked about earlier, do you have any other  
3 documents related to this Toshiba TV?

4 A. Not any longer, no.

10:11 5 Q. You don't have any receipts or invoices?

6 A. Nope, that's gone in the cycle as well.

7 Q. Okay. Do you have any credit card  
8 statements that would show what you paid for this  
9 TV?

10:11 10 A. No.

11 Q. Why did you purchase this TV?

12 A. For use in our new residence to have on  
13 the countertop.

14 Q. This was the kitchen TV?

10:11 15 A. Correct.

16 Q. And any reason for buying this particular  
17 Toshiba model TV?

18 A. No.

19 Q. Did you care about the price?

10:11 20 A. I was looking for a 13-inch TV.

21 Q. Price wasn't a big factor for you?

22 A. Wasn't a major factor, no.

23 Q. How about brand, that matter to you?

24 A. No.

10:12 25 Q. There weren't any particular features you

1 were looking for aside from the fact that it was 13  
2 inches?

3 A. That it had a remote.

4 Q. And that it had a remote?

10:12 5 A. Yes.

6 Q. Okay. And do you still have this one?

7 A. Yes, I do.

8 Q. Where is it?

9 A. On the kitchen counter, same place.

10:12 10 Q. And this is in your West Fargo --

11 A. West Fargo residence, yes.

12 Q. Okay. Got it.

13 (Reporter marked [Exhibit No. 127](#) for  
14 identification.)

10:13 15 Q. BY MR. BALLARD: This is Exhibit 127. The  
16 Bates number on this is CRT000156, and this looks  
17 like a photo of a TV. It says "RCA" on the TV. Is  
18 this a photo of the television referenced in 1-C of  
19 your interrogatory response?

10:13 20 A. Yes, it is.

21 Q. And you took this photo?

22 A. Yes.

23 Q. On March 20, 2008?

24 A. Correct.

10:13 25 Q. Again, that's the same date that you took

1 the other two?

2 A. Yes.

3 Q. And where was this one taken?

4 A. This one is in my lake property.

10:13 5 Q. So the other two photos that we just  
6 talked about were taken at your West Fargo house?

7 A. Correct.

8 Q. This one was taken somewhere else?

9 A. Correct.

10:14 10 Q. All on the same date?

11 A. Yes.

12 Q. What size is this TV?

13 A. I believe this is also a 25-inch.

14 Q. And your interrogatory response says you  
10:14 15 bought this in 2003?

16 A. Yes.

17 Q. How do you know that?

18 A. Because, again, when we were moving into  
19 our West Fargo residence, I also purchased TVs for  
10:14 20 both places. And so I'm thinking this was 2003,  
21 although I don't know for sure.

22 Q. It's possible that it was some other year?

23 A. It would have been either 2002 or 2003, to  
24 the best of my recollection.

10:15 25 Q. But you don't have any documents that

1 would tell you when it was purchased?

2 A. No.

3 Q. Do you have any other documents at all  
4 other than the photo we just looked at?

10:15 5 A. No.

6 Q. And is that because the receipt was --

7 A. Yes.

8 Q. -- shredded?

9 A. Yes.

10:15 10 Q. And it says that you purchased this at a  
11 Target in Fergus Falls, Minnesota, correct?

12 A. Correct.

13 Q. And I believe that's where you said your  
14 lake house is located?

10:15 15 A. Correct.

16 Q. So you purchased this in Minnesota for use  
17 at your house in Minnesota; is that right?

18 A. Correct.

19 Q. Did you actually go into the store to buy  
10:15 20 this?

21 A. Yes.

22 Q. And why did you decide to buy this from  
23 Target?

24 A. Target was a familiar name with a national  
10:16 25 reputation.

1 Q. Did you shop around at all before you  
2 bought it at Target?

3 A. No.

4 Q. Did you consider buying it anywhere else?

10:16 5 A. It was convenient to buy it closer to the  
6 location.

7 Q. And Target really was the only option?

8 A. Target at that time was my choice, yes.

9 Q. And how much did you pay for this one?

10:16 10 A. I don't recall.

11 Q. And again, no documentation that would  
12 tell you what it would be?

13 A. No.

14 Q. You don't remember if it was on sale?

10:16 15 A. No, I don't.

16 Q. Why did you purchase this TV?

17 A. Personal recreational TV viewing.

18 Q. Was this the only TV at your lake house?

19 A. At the time of purchase, no, I believe I  
10:17 20 had an older model that I had taken down, and this  
21 was a replacement.

22 Q. And is that older model --

23 A. Or in addition to.

24 Q. When did you buy that older model?

10:17 25 A. I don't know.



1 Q. Is that one of the purchases that you're  
2 not claiming damages on in this case?

3 A. Correct.

4 Q. And why did you decide to buy this RCA TV?

10:17 5 A. I was looking for a TV, and at that point  
6 in Target RCA was a recognized name.

7 Q. What do you mean by "recognized name"?

8 A. A national brand that I had been aware of  
9 forever since growing up.

10:18 10 Q. Was a preferred brand for you?

11 A. It was a recognized brand.

12 Q. Was price a major factor for you in buying  
13 this TV?

14 A. No.

10:18 15 Q. Do you still have this?

16 A. Yes.

17 Q. And where is it?

18 A. At my lake property.

19 Q. Okay.

10:18 20 (Discussion off the record.)

21 THE VIDEOGRAPHER: We are now going off  
22 the record.

23 (Whereupon a recess was taken.)

24 THE VIDEOGRAPHER: We are now back on the  
10:30 25 record.

1 (Reporter marked Exhibit No. 128 for  
2 identification.)

3 Q. BY MR. BALLARD: You have just been handed  
4 Exhibit 128. This exhibit is three pages long,  
10:31 5 Bates No. CRT000497 through 499.

6 My first question is: Are these three  
7 pages here related to the purchase of a Dell  
8 computer monitor that's identified at 1-D of your  
9 interrogatory responses?

10:31 10 A. Where is the identifying number that I'm  
11 looking for?

12 Q. I don't see an identifying number. I'm  
13 just wondering if you know which purchases these  
14 documents are related to?

10:31 15 A. D or E.

16 Q. It's either D or E?

17 A. Okay. Yes.

18 Q. Is that your --

19 A. Yes.

10:32 20 Q. Okay. But you can't tell by looking at  
21 these three pages, which of those purchases these  
22 documents have to do with?

23 A. I don't see a specific reference to the  
24 exact numbers shown on D or E, no.

10:32 25 Q. Okay. The first page of this exhibit is

1 titled "Packing Slip" and has a Dell logo on it.

2 Is this the packing slip that you received in

3 connection with 1-D or 1-E?

4 A. Yes.

10:32 5 Q. And did you -- strike that.

6 There's a date on it, and it says there's

7 an order date, says March 30, 2003, and there's a

8 date on the packing slip that says March 31st,

9 2003. Are either of these the date in which you

10:33 10 purchased this monitor?

11 A. I believe the 3/30 date is when I

12 purchased it, yes.

13 Q. And how did you buy this?

14 A. Online.

10:33 15 Q. And it was shipped to you from Dell to

16 your home?

17 A. It was shipped to my business address at

18 that time.

19 Q. Why was it shipped to your business

10:33 20 address?

21 A. Because we routinely have UPS service to

22 the office, and it's easier to have the packages

23 shipped there than my residence.

24 Q. Did you use this at work?

10:33 25 A. No, I did not.

1 Q. What did you use it for?

2 A. Personal home use.

3 Q. And was that at your West Fargo house?

4 A. Yes. 2003, that would have been my West

10:33 5 Fargo address.

6 Q. Wasn't in Minnesota?

7 A. No.

8 Q. How did you decide to buy this online?

9 A. A flyer in the Sunday paper.

10:34 10 Q. What did the flyer say?

11 A. It showed the bundled package.

12 Q. And can you explain a little more what you  
13 mean by "bundled package"?

14 A. The processor, the monitor, the keyboard,  
10:34 15 the mouse, the whatever else came with the  
16 fully-operational computer package.

17 Q. So you paid one price, and for that price  
18 you got a variety of products?

19 A. Everything on the packing list, yes.

10:35 20 Q. And was that price lower than it otherwise  
21 would have been because it was purchased as a  
22 bundle?

23 A. That I don't know.

24 Q. What about that flyer in that offer of the  
10:35 25 bundle made you want to purchase this one?

1           A.    I was looking for computer systems at that  
2   time.

3           Q.    Did the fact that this was sold as a  
4   bundle have anything to do with your decision?

10:35 5           A.    Convenience.

6           Q.    What do you mean by that?

7           A.    I'm not a real nitty-gritty techno, so  
8   that it all came in one box, unload on my desk,  
9   plug it in, convenience.

10:35 10          Q.    Before you saw the flyer in the Sunday  
11   paper, had you been looking anywhere else for your  
12   monitor?

13          A.    Not -- no.

14          Q.    If you look at this packing slip, like you  
10:36 15   said, it lists a variety of products. By my count  
16   there are 28 different products listed here. Were  
17   all of these products here part of the bundle?

18               MR. GRALEWSKI: Object to the form. Lacks  
19   foundation. Document speaks for itself.

10:36 20              You can answer.

21              THE WITNESS: I believe so, yes.

22          Q.    BY MR. BALLARD: For example, the first  
23   item listed here looks like it's a CPU, computer  
24   CPU; is that right?

10:36 25          A.    Correct, it's a processor.

1 Q. And if you go down maybe to the third  
2 line, there's a keyboard?

3 A. Correct.

4 Q. And you also got a mouse?

10:36 5 A. Correct.

6 Q. And a floppy drive?

7 A. Correct.

8 Q. And a CD-ROM drive?

9 A. Yes.

10:36 10 Q. And looks like there's a variety of  
11 software here; is that right?

12 A. I believe there were three or four  
13 programs included, yes.

14 Q. And those were pre-installed on the  
10:37 15 computer?

16 A. Correct, correct.

17 Q. And towards the bottom there's a line that  
18 says "One-year limit warranty."

19 Do you see that?

10:37 20 A. Yes.

21 Q. So you got a one-year warranty with this;  
22 that was part of the bundle?

23 A. Part of the package.

24 Q. And a couple of lines down it says "\$100  
10:37 25 mail-in rebate." So you also got a rebate as part

1 of the bundle?

2 A. Correct, correct.

3 Q. Skip ahead to the last page of this

4 exhibit. It is a document that says "Mail-in

10:37 5 Rebate Redemption Form." Is this the form that you

6 sent in to get the \$100 rebate?

7 A. Yes.

8 Q. And you, in fact, received that --

9 A. Yes.

10:37 10 Q. -- \$100?

11 A. Yes.

12 (Reporter marked [Exhibit No. 129](#) for  
13 identification.)

14 Q. BY MR. BALLARD: So you have just been  
10:38 15 handed Exhibit 129. This exhibit is five pages  
16 long. It's Bates numbered CRT000500 through 504.  
17 You just testified that you're not sure which of  
18 the Dell purchases the documents we just looked at  
19 relate to. Do you have any understanding what  
10:39 20 these documents relate to?

21 A. The second package, whichever order or  
22 whichever one they're specifically referring to.

23 Q. I'm sorry. Do you believe that this is  
24 referencing the purchase identified at 1-E on your  
10:39 25 interrogatory response?

1 A. One of them is 1-D and one of them is 1-E.

2 Q. But you're not sure --

3 A. But I'm not sure which one is which.

4 Q. Got it. But these were purchased at the

10:39 5 same time?

6 A. Correct.

7 Q. Online?

8 A. Correct.

9 Q. And did you get the same deal on both

10:39 10 monitors?

11 A. Yes.

12 Q. All the terms were the same?

13 A. Yes.

14 Q. Why did you purchase two monitors at the

10:39 15 same time?

16 A. The second system was for my son for

17 college.

18 Q. And where did he go to college?

19 A. His first year he went to Saint John's

10:40 20 University and subsequent to Moorhead State

21 University.

22 Q. Where is Saint John's, New York?

23 A. The other Saint John's, St. Cloud,

24 Minnesota.

10:40 25 Q. And where's Moorhead located?



1 A. Across the river, Moorhead, Minnesota.

2 Q. Okay. And was this package, this bundle

3 also shipped to your work address?

4 A. Correct.

10:40 5 Q. And then you gave it to your son?

6 A. Correct.

7 Q. You bought this in, looks like, March

8 31st, 2003; is that right?

9 A. Yes.

10:40 10 Q. When did your son start college?

11 A. August of that year.

12 Q. So between the time you purchased it and  
13 the time that he went to college?

14 A. Correct.

10:41 15 Q. Was this used for anything?

16 A. Used, oh, between the time? Ask the  
17 question again, please.

18 Q. Between the time that you bought it, which  
19 was March 31st, 2003, and the time your son went to  
10:41 20 college, did you use the system at all?

21 A. Set it up to make sure it was operational,  
22 yes.

23 Q. The monitor that you purchased and that  
24 you used for yourself in your own home, do you  
10:41 25 still have that one?

1 A. Yes.

2 Q. And where is it?

3 A. In my West Fargo residence.

4 Q. And what about the one that you gave to  
10:42 5 your son?

6 A. I still have that, and it's at my lake  
7 property.

8 Q. So did he return it to you at some point?

9 A. Yes.

10:42 10 Q. When was that?

11 A. 2005 would be my best estimate.

12 Q. And why did he give it back to you?

13 A. Because he did a semester at the  
14 University of Anchorage in Alaska, and he preferred  
10:42 15 to have a laptop for that purpose.

16 Q. And after he gave it back to you, you held  
17 on to it?

18 A. Correct.

19 Q. And just so I am clear on this, the  
10:42 20 bundle, this bundle that we're looking at here is  
21 identical to the bundle we were talking about --

22 A. Yes.

23 Q. -- previously?

24 A. Yes.

10:43 25 Q. Okay. So that included the \$100 rebate?

1 A. Yes.

2 Q. If you skip ahead to the page that has 502  
3 on the bottom, is this the rebate form that you  
4 submitted?

10:43 5 A. Yes.

6 Q. And you, in fact, received the \$100  
7 rebate?

8 A. Yes.

9 Q. If you look at the next page, is this the  
10:43 10 invoice for this purchase?

11 A. I believe so, yes.

12 Q. And I understand that you don't know which  
13 purchase this is for, but did you receive an  
14 identical invoice for the other monitor?

10:43 15 A. I'm sure I did, yes.

16 Q. If you look in the bottom there's a box,  
17 and one of the lines says "Invoice total." It says  
18 "770.41." Is that the price that you paid for each  
19 of these monitors?

10:44 20 A. I believe so, yes. Each of the packages.

21 Q. Right, each was \$770.41?

22 A. Correct, correct.

23 Q. And if you look a little higher in that  
24 box, it says that \$99 of that was for shipping and  
10:44 25 handling?

1 A. Yes.

2 Q. And 7.41 of that was for tax?

3 A. Yes.

4 Q. Do you know how that tax amount was  
10:44 5 calculated?

6 A. No, I do not.

7 Q. If you look next to the box that says  
8 "Tax," there's a box that says "Taxable" and it has  
9 \$114 in it. Do you know what that means?

10:44 10 A. No, I do not.

11 Q. If you look to the left of the box we were  
12 just talking about, there's some fine print and  
13 part of it is in all caps and says that:

14 "Dell Catalog" -- "Dell Catalog sales  
10:45 15 collects tax in Florida, Kentucky,  
16 North Carolina, Nevada, Tennessee,  
17 Texas. Tax in other states relates  
18 only to third-party service contracts.  
19 The buyer is responsible for admitting  
10:45 20 any additional tax to the taxing  
21 authorities."

22 Do you see that?

23 A. Uh-huh.

24 Q. Do you have any understanding as to what  
10:45 25 that means?

1 A. I have no idea what that means.

2 Q. Did you ever pay any additional tax for  
3 this purchase, for these purchases?

4 A. No.

10:45 5 Q. If you look at the item descriptions here,  
6 this lists the same products that we talked about  
7 earlier --

8 A. Yes.

9 Q. -- that were part of the bundle, right?

10:46 10 A. Yes.

11 Q. And if you look at the column that says  
12 "Unit Price," next to the CPU, the "Intel Pentium 4  
13 processor dimension 2350 series," says the unit  
14 price for that was \$664; is that correct?

10:46 15 A. Yes.

16 Q. So that's the price you paid for the  
17 computer CPU?

18 MR. GRALEWSKI: Object to the form. Lacks  
19 foundation. Calls for expert testimony.

10:46 20 THE WITNESS: I don't know what that means  
21 exactly.

22 Q. BY MR. BALLARD: If you skip down three  
23 lines says, "E772 monitor." Is that the monitor  
24 that came with the bundle?

10:46 25 A. Yes.

1 Q. If you look at the unit price for that  
2 item, it says zero dollars, correct?

3 A. Yes.

4 Q. So doesn't this say that you got the  
10:47 5 monitor for free?

6 MR. GRALEWSKI: Object to the form. Lacks  
7 foundation. Vague and ambiguous. Document speaks  
8 for itself. Calls for expert testimony.  
9 Mischaracterizes the document.

10:47 10 Q. BY MR. BALLARD: Do you have my question  
11 in mind?

12 A. Please restate.

13 (Reporter read back as requested.)

14 THE WITNESS: My understanding of my  
10:48 15 purchase would be that the price listed in "Total"  
16 was for the entire package. I do not know exactly  
17 what the components were or a price of those  
18 components.

19 Q. BY MR. BALLARD: Do you have any  
10:48 20 understanding as to why this invoice lists a price  
21 of \$664 for the CPU and a price of zero dollars for  
22 everything else?

23 MR. GRALEWSKI: Object to the form. Lacks  
24 foundation. Calls for speculation.

10:48 25 THE WITNESS: I do not know why it states

1 that.

2 Q. BY MR. BALLARD: You said you got a \$100  
3 rebate for both of these monitors --

4 MR. GRALEWSKI: Object -- sorry, Counsel.  
10:48 5 I thought you were done.

6 Q. BY MR. BALLARD: Does that mean the price  
7 for each of these monitors was 770.41 minus the  
8 rebate form?

9 MR. GRALEWSKI: Objection; calls for  
10:49 10 speculation. Objection; lacks foundation.

11 THE WITNESS: As I recall, I paid the  
12 amount on the invoice and subsequently received a  
13 rebate.

14 Q. BY MR. BALLARD: So the ultimate amount  
10:49 15 that you paid was \$664?

16 A. That would probably be correct.

17 MR. GRALEWSKI: My prior objection was  
18 calls for speculation, lacks foundation. Sorry.

19 I am going to also interpose that that  
10:50 20 question called for expert testimony.

21 (Reporter marked [Exhibit No. 130](#) for  
22 identification.)

23 Q. BY MR. BALLARD: So you have just been  
24 handed Exhibit 130. These are five photographs  
10:51 25 that were handed to me by Mr. Gralewski about a

1 half hour before the deposition.

2 Do you know what these photographs are?

3 A. These are pictures of the Dell computer  
4 monitor and the Dell computer monitor.

10:51 5 Q. Do you know which of the two monitors  
6 these are pictures of?

7 A. The one I have in my West Fargo residence,  
8 which one specifically, I do not know unless  
9 there's a number that can be matched.

10:51 10 Q. You didn't take any photos like this of  
11 the monitor in your Minnesota home?

12 A. No.

13 Q. If you look at the last photo, what is  
14 that a photo of?

10:52 15 A. That is a photo of the CRT tube in the  
16 monitor.

17 Q. How do you know that's a photo of the CRT  
18 tube?

19 A. Because I looked at it personally when the  
10:52 20 cover was off.

21 Q. And did you personally take the cover off?

22 A. No, I did not.

23 Q. Who took it off?

24 A. My attorney.

10:52 25 Q. Why did you take this photo?



1 MR. GRALEWSKI: To the extent you're able  
2 to answer that question without revealing any  
3 communications with counsel, you can answer it.  
4 Otherwise, I'll instruct you not to answer.

10:53 5 THE WITNESS: I don't know exactly why the  
6 photo was taken.

7 Q. BY MR. BALLARD: Does this label have any  
8 significance to you?

9 A. It identifies which CRT was in the  
10:53 10 monitor.

11 Q. And how do you know that's what this label  
12 means?

13 A. Because I personally visually saw it.

14 Q. When you say this identifies which CRT  
10:54 15 tube is in this monitor, what do you mean by that?

16 A. The manufacturer of the CRT.

17 MR. GRALEWSKI: Counsel, I will provide  
18 Bates numbered copies of these documents. Because  
19 the documents at the present time do not have Bates  
10:54 20 numbers on them, can we just very quickly, for the  
21 record, maybe clarify with a description or show  
22 the videotape, you know, which page is which, just  
23 in case they get reshuffled or something?

24 MR. BALLARD: You want to just have him  
10:55 25 show the camera?

1 MR. GRALEWSKI: Sure, that's fine.

2 MR. BALLARD: That's fine.

3 MR. GRALEWSKI: So why don't you hold up  
4 for the video camera when he said "turn to the last  
10:55 5 page." That was the last page, correct, Counsel?

6 MR. BALLARD: That's correct.

7 MR. GRALEWSKI: I think that's fine unless  
8 you want to document any other way.

9 MR. BALLARD: That's fine.

10:55 10 MR. GRALEWSKI: Thank you, Counsel.

11 (Reporter marked [Exhibit No. 131](#) for  
12 identification.)

13 Q. BY MR. BALLARD: So you have been handed  
14 Exhibit 131. This is another set of photos that  
10:56 15 were handed to me by Mr. Gralewski shortly before  
16 the deposition, six photos here. Who took these  
17 photos?

18 A. My attorney.

19 Q. And what is your understanding of what  
10:56 20 these photos depict?

21 A. This is the Toshiba television noted in  
22 the response under 1-B, and this, the last two  
23 pictures depict the CRT within that television.

24 Q. Where were these photos taken?

10:56 25 A. In my attorney's office.

1 Q. And you said earlier that this TV lives on  
2 your kitchen counter?

3 A. Correct.

4 Q. So how did your TV get from your kitchen  
10:57 5 counter to your attorney's office?

6 A. I brought it there.

7 Q. And why did you do that?

8 MR. GRALEWSKI: Again, you can answer the  
9 question, but you are not to reveal any  
10:57 10 communications with counsel.

11 THE WITNESS: To indicate that the  
12 television and the monitor were still in my  
13 possession.

14 Q. BY MR. BALLARD: Why was it important to  
10:57 15 indicate that?

16 MR. GRALEWSKI: Same instruction.

17 THE WITNESS: I don't know.

18 Q. BY MR. BALLARD: When were these photos  
19 taken?

10:57 20 A. Wednesday. Today's Friday. Wednesday.

21 Q. This Wednesday?

22 A. Yes.

23 Q. May 2nd --

24 A. Correct.

10:57 25 Q. -- 2012, correct?

1 A. Correct.

2 Q. And when were the photos, Dell photos we  
3 just looked at, when were those taken?

4 A. Same time.

10:58 5 Q. If you look at the last photo in this set,  
6 what is this a photo of?

7 A. That is a photo of the CRT in the  
8 television.

9 Q. And does this label here have any  
10:58 10 significance?

11 A. Which label?

12 Q. Do any of these labels have any  
13 significance?

14 A. Other than identifying the CRT, I don't  
10:58 15 know.

16 Q. Can you tell me what part of this label  
17 identifies the CRT?

18 A. I'm assuming the large label that has the  
19 name "Orion" on it.

10:59 20 Q. What does Orion mean?

21 A. The manufacturer of the CRT, in my best  
22 guess.

23 Q. What is that guess based on?

24 MR. GRALEWSKI: You can answer the  
10:59 25 question if you have your own independent

1 knowledge. You are not to reveal the contents of  
2 any communications with your lawyers. So in  
3 answering the question, if you need to do that,  
4 I'll instruct you not to answer. Otherwise, you  
10:59 5 can answer the question.

6 THE WITNESS: Being unsure, I will not  
7 answer the question.

8 Q. BY MR. BALLARD: Is your guess as to what  
9 the word "Orion" means here based on any personal  
11:00 10 knowledge?

11 MR. GRALEWSKI: Object to the form.  
12 Misstates testimony.

13 You can answer the question.

14 THE WITNESS: Please ask the question  
11:00 15 again?

16 Q. BY MR. BALLARD: You said it's your best  
17 guess that the word "Orion" indicates who  
18 manufactured this tube, and my question is: Is  
19 that based on anything of which you have personal  
11:00 20 knowledge?

21 A. No.

22 MR. GRALEWSKI: Object to the form.  
23 Misstates testimony. Vague and ambiguous.

24 Q. BY MR. BALLARD: Okay. We just looked at  
11:00 25 a set of photos for one of the Dell monitors that

1 you purchased?

2 A. Correct.

3 Q. And we looked at another set of photos for  
4 the Toshiba TV that you purchased?

11:00 5 A. Correct.

6 Q. Other than those two products, so I am  
7 talking about the other three products that you  
8 claim damages for, do you know whether any of those  
9 products contain a CRT?

11:01 10 A. Do I know they contain a CRT?

11 Q. Do you know if they do or not?

12 A. I am assuming they do.

13 Q. And what do you base that assumption on?

14 A. For the purpose of the television viewing  
11:01 15 and the computer monitor viewing.

16 Q. I am not sure --

17 A. The CRT -- my understanding, the CRT is  
18 the projection component.

19 Q. Are there other kinds of projection  
11:01 20 components?

21 A. I don't know.

22 Q. Are there TVs and -- or monitors out there  
23 that do not have CRTs in them?

24 A. Yes.

11:01 25 Q. And how do you know that your TV is one of

1 the TVs that does have a CRT in it?

2 A. Because I witnessed it taken apart and saw  
3 the CRT within.

4 Q. I'm talking about the -- I am not talking  
11:01 5 about the Toshiba TV that we just talked about.

6 For those other TVs, the RCA TVs, have you ever  
7 opened those to see if they have a CRT in them?

8 A. No, I have not.

9 Q. Do you know who manufactured the CRTs that  
11:02 10 you think are contained in those TVs?

11 A. No, I do not.

12 Q. Are you aware that there were other  
13 manufacturers of CRTs other than the named  
14 defendants in this case?

11:02 15 A. I do not know all of the manufacturers of  
16 CRTs, no.

17 Q. So you're not sure whether there may have  
18 been other manufacturers of CRTs other than the  
19 companies listed in the complaint?

11:02 20 MR. GRALEWSKI: Object to the form.  
21 Misstates testimony.

22 THE WITNESS: I don't know for sure.

23 Q. BY MR. BALLARD: Isn't it possible that  
24 the CRT that you believe is contained in these two  
11:03 25 RCA TVs, that that CRT was manufactured by someone

1 who was not named as a defendant in the complaint?

2 MR. GRALEWSKI: Object to the form. Lacks  
3 foundation. Calls for speculation. Compound.

4 You can answer.

11:03 5 THE WITNESS: I don't know.

6 Q. BY MR. BALLARD: You don't know what?

7 A. If it's possible that those TVs contain  
8 other CRTs.

9 Q. Do you have any documentation that would  
11:03 10 tell us who made the CRTs in those TVs?

11 A. No, I do not.

12 MR. GRALEWSKI: And you're referring to  
13 the two RCA TVs, correct, Counsel?

14 MR. BALLARD: That's correct.

11:04 15 MR. GRALEWSKI: Thank you.

16 Q. BY MR. BALLARD: What about -- we looked  
17 at photos of one of the monitors, Dell monitors  
18 that you purchased. What about the other monitor,  
19 have you ever opened that to see if there's a CRT  
11:04 20 in it?

21 A. No, I have not.

22 Q. So you don't know who made the CRT in that  
23 monitor?

24 A. I do not know.

11:04 25 Q. And you don't have any documentation that



1 would tell you who made the CRT?

2 A. No, no.

3 Q. For the products that we did look at

4 photos of, the Toshiba TV and one of the Dell

11:04 5 monitors, did you know who manufactured the CRT in

6 those products at the time that you bought them?

7 A. No.

8 Q. Was the manufacturer of the CRT in the

9 product important to you when you purchased the

11:04 10 product?

11 A. No.

12 Q. You're claiming damages based on purchases

13 of three TVs and the purchase of two computer

14 monitors. Is it your understanding that CRTs are

11:05 15 used in both TVs and computer monitors?

16 A. Yes.

17 Q. Are there any differences between the CRTs

18 that are used in TVs as compared to the CRTs that

19 are used in computer monitors?

11:05 20 A. I don't know that as a fact.

21 Q. You don't know whether there are any

22 differences or not?

23 A. Correct.

24 Q. Are you familiar with the term "color

11:05 25 picture tube"?

1 A. Familiar with?

2 Q. Have you ever heard that term before?

3 A. Possibly.

4 Q. What does it mean?

11:05 5 A. Not knowing for sure, another guess, it  
6 would be the picture tube in a color TV, or a color  
7 monitor.

8 Q. And what are you basing that guess on?

9 A. The wording, the definition or the  
11:06 10 assumption "color picture tube."

11 Q. So you're basing it on the words that I  
12 used?

13 A. Exactly.

14 Q. Have you ever heard the term "color  
11:06 15 display tube"?

16 A. No.

17 Q. You're a plaintiff class representative in  
18 this class action; is that correct?

19 A. Correct.

11:06 20 Q. And what is your understanding of your  
21 role in this lawsuit?

22 A. I am representing others that may have had  
23 similar purchases during the prescribed time period  
24 and may also have had some recoverable damages  
11:06 25 based on the litigation.

1 Q. And are you seeking to represent a class  
2 in this case?

3 A. My understanding is I'm representing the  
4 other residents of the state of North Dakota.

11:07 5 Q. And what is your understanding of the term  
6 "class representative"?

7 A. I am the individual named in the  
8 litigation representing the state of North Dakota  
9 and the other residents that may have been in a  
11:07 10 position of similar purchases.

11 Q. And do you have any responsibilities as a  
12 class representative?

13 A. I need to be aware of what generally what  
14 the status of the litigation is. I needed to  
11:07 15 provide information based on my purchases, and I am  
16 here doing a deposition on that behalf as well.

17 Q. And about how much time so far have you  
18 spent doing those things, putting aside today's  
19 deposition?

11:08 20 A. Six to eight hours, rough guess.

21 Q. And during that time, what kind of things  
22 have you done?

23 A. Gathering the information for the  
24 responses as we've reviewed. Reviewing the  
11:08 25 paperwork submitted for the claim on my behalf, and

1 reviewing any correspondence or any updates that  
2 have been provided to me.

3 Q. Do you independently monitor this case?

4 A. On an ongoing basis, no.

11:08 5 Q. Do you review the papers that are filed in  
6 this case?

7 A. I review what's provided to me by my  
8 attorneys.

9 Q. But you don't do any independent search  
11:08 10 for filings?

11 A. No, no.

12 Q. What do you hope to get out of this case?

13 A. If it's determined that the litigation  
14 results in damages, I would be compensated for any  
11:09 15 damages that I may have incurred in the purchases  
16 that I've noted, and the other class  
17 representatives of North Dakota would receive  
18 similar compensation if they were to produce  
19 claims.

11:09 20 Q. Do you think that every member of the  
21 class is entitled to receive the same amount?

22 A. I think that's what the litigation will  
23 determine. I don't know how I would determine  
24 that.

11:09 25 Q. You don't know how it should be determined

1 what each class member gets?

2 A. No. I would rely on the attorneys  
3 involved.

4 Q. Other than an award of your damages, have  
11:10 5 you been promised anything else for bringing this  
6 lawsuit?

7 A. No.

8 Q. As a class representative, are you  
9 entitled to any kind of compensation for performing  
11:10 10 that role?

11 A. That I'm not aware of.

12 Q. What did the defendants do wrong in this  
13 case?

14 A. My understanding was that there was  
11:10 15 conversation and/or whatever else that led to  
16 potential price-fixing determining prices for the  
17 CRTs.

18 Q. And what is "price-fixing"?

19 A. Individuals in the same industry or  
11:11 20 business agreeing amongst each other to have a set  
21 price regardless of which product they produce, and  
22 that price would be what it would be.

23 Q. And do you contend that you were injured  
24 by the defendants' conduct in this case?

11:11 25 A. If the litigation determines there was

1 price-fixing, then my understanding is that would  
2 have resulted in my paying more than I would have  
3 needed to for the products I purchased.

4 Q. But you don't know if there was  
11:11 5 price-fixing or not?

6 A. I'm leaving that up to the attorneys and  
7 the litigation.

8 (Previously marked [Exhibit No. 11](#) for  
9 identification.)

11:12 10 Q. BY MR. BALLARD: So you have just been  
11 handed Exhibit 11, and this document is titled  
12 "Indirect Purchaser Plaintiffs' Third Consolidated  
13 Amended Complaint."

14 Have you seen this document before?

11:12 15 A. I believe this has been provided to me by  
16 my attorney for review.

17 Q. And have you read it?

18 A. I have reviewed it.

19 Q. Did you review the whole thing or just  
11:13 20 certain parts of it?

21 A. The cursory review of the bold.

22 Q. I'm sorry. You said a cursory review of  
23 the bold print to see if there were any bullet  
24 points that were -- so you only reviewed the words  
11:13 25 in the complaint that are in bold; is that right?

1 MR. GRALEWSKI: Object to the form.

2 Misstates testimony.

3 THE WITNESS: If I may rephrase that. If  
4 anything in bold caught my attention, I would have  
11:13 5 reviewed a little more in-depth. I did not review  
6 all however many pages there are page by page, no.

7 Q. BY MR. BALLARD: About how much time did  
8 you spend reading through this?

9 A. About 15 minutes.

11:13 10 Q. Did you have any involvement in drafting  
11 this document?

12 A. No.

13 Q. When you said that you reviewed it, did  
14 you review it before or after it was filed?

11:14 15 A. I don't know that I recall exactly.

16 Q. Do you remember when you reviewed it?

17 A. Exact date, no.

18 Q. Do you remember what year it was?

19 A. No, I do not.

11:14 20 Q. But it wasn't recently?

21 A. Not that I recall.

22 Q. This complaint, I'll represent to you, it  
23 cites a number of sources of information. For  
24 example, it cites some news articles. Have you  
11:14 25 ever reviewed any of those?

1 A. No.

2 Q. Do you believe that statements in this  
3 complaint are true?

4 A. I am relying on the attorneys involved for  
11:15 5 that purpose, yes.

6 Q. So your belief that the statements  
7 contained in this complaint are true is based  
8 solely on the fact that they were drafted by your  
9 lawyers?

11:15 10 A. Yes.

11 Q. How did you decide to sue the defendants  
12 that are named in this complaint?

13 A. I am not sure I understand the question.

14 Q. This complaint names some specific  
11:15 15 companies; is that correct --

16 A. Yes.

17 Q. -- as defendants?

18 A. Correct.

19 Q. How did you decide to sue those companies  
11:15 20 and not some other companies?

21 MR. GRALEWSKI: Object to the form. Calls  
22 for a legal conclusion.

23 I also caution you not to reveal any  
24 communications with counsel.

11:16 25 THE WITNESS: Then I will decline.



1 Q. BY MR. BALLARD: I'm sorry, you'll  
2 decline?

3 A. I'll decline.

4 Q. Because you can't answer that question  
11:16 5 without revealing attorney-client privilege?

6 A. I don't know for sure if I can do that.

7 Q. Do you have any current plans to purchase  
8 another CRT product?

9 A. At this time, no.

11:16 10 Q. No plans to purchase a CRT TV or a  
11 monitor?

12 A. I am not in the market for anything at the  
13 moment, no.

14 Q. Would you ever purchase another CRT  
11:16 15 product?

16 A. I don't know.

17 Q. There are other technologies out there  
18 now, right?

19 A. Correct.

11:17 20 Q. There's LCDs and plasmas, right?

21 A. Correct.

22 Q. Given the existence of those technologies,  
23 would you ever buy another CRT product?

24 A. I'm thinking that determination would be  
11:17 25 made at the time and what the circumstances are.

1 Q. Okay. I'd like to ask you just a couple  
2 questions about Paragraph 243 of this document, and  
3 I'll give you a page number when I find it. It is  
4 on Page 58.

11:17 5 A. Okay.

6 Q. And I'll just read that. It says:

7 "As a direct result of the unlawful  
8 conduct of defendants and their  
9 co-conspirators in furtherance of  
10 their continuing contract, combination  
11 or conspiracy, plaintiffs and the  
12 members of the nationwide class have  
13 been injured and will continue to be  
14 injured in their business and property  
11:18 15 by paying more for CRT products  
16 purchased indirectly from the  
17 defendants and their co-conspirators  
18 than they would have paid and will pay  
19 in the absence of the combination and  
11:18 20 conspiracy."

21 Do you see that?

22 A. Yes.

23 Q. And my question is about the phrase "will  
24 continue to be injured." If you don't have any  
11:18 25 plans to ever buy another CRT product, how will you

1 continue to be injured by the conduct alleged in  
2 this complaint?

3 MR. GRALEWSKI: Object to the form.  
4 Misstates testimony. Calls for a legal conclusion.

11:18 5 THE WITNESS: If the litigation determines  
6 that there was price-fixing, if that would continue  
7 into the future and if I did purchase a CRT in the  
8 future, I'm assuming I would be paying again too  
9 much.

11:19 10 Q. BY MR. BALLARD: But you have no current  
11 plans to do that?

12 MR. GRALEWSKI: Object to the form. Asked  
13 and answered. Misstates testimony.

14 THE WITNESS: I am not currently in the  
11:19 15 market for any product.

16 Q. BY MR. BALLARD: And if it turns out that  
17 you don't ever purchase another CRT product, you  
18 won't be injured in the future by the conduct  
19 alleged in this complaint; is that right?

11:19 20 MR. GRALEWSKI: Object to the form. Lacks  
21 foundation. Calls for a legal conclusion.  
22 Incomplete hypothetical.

23 THE WITNESS: I don't know how to answer  
24 it.

11:19 25 Q. BY MR. BALLARD: If you don't buy another

1 CRT product, is it possible for you to be injured  
2 by the conduct alleged in this complaint and in the  
3 future?

4 MR. GRALEWSKI: Same objection.

11:20 5 Incomplete hypothetical. Lacks foundation. Calls  
6 for a legal conclusion.

7 THE WITNESS: If CRTs were no longer  
8 manufactured, if I did not buy one, I probably  
9 would not be injured in the future.

11:20 10 Q. BY MR. BALLARD: I want to flip back here,  
11 and I apologize for flipping back and forth, but  
12 I'd like to ask about Paragraphs 19 through 50 of  
13 this complaint. I am not going to ask about each  
14 one, but feel free to look through these  
11:20 15 paragraphs, which identify the plaintiffs in this  
16 case.

17 And my question is going to be: Do you  
18 know any of these people?

19 A. Having perused that part of it, I do not  
11:21 20 believe I know any of the named individuals.

21 Q. You've never met with or spoken with any  
22 of these people?

23 A. No.

24 Q. You've never met -- go to Paragraph 35.  
11:21 25 You've never met Barry Kushner from Minnesota?

1 A. No, I have not.

2 Q. Putting aside these people who are listed  
3 here, do you know anybody else who has ever filed a  
4 lawsuit regarding CRTs?

11:21 5 A. I'm sorry, who has ever filed a lawsuit?  
6 No, I don't.

7 Q. Anyone who's ever been a plaintiff in a  
8 lawsuit involving CRTs?

9 A. No.

11:21 10 Q. Flip back a couple pages to Paragraph 1.  
11 And if you look at the end of this first sentence  
12 here on Lines 15 and 16, it refers to a class  
13 period:

14 "Beginning at least as early as March  
11:22 15 1st, 1995, until at least November 25,  
16 2007."

17 Do you see that?

18 A. Yes.

19 Q. Do you have any understanding of the  
11:22 20 meaning of the phrase "class period"?

21 A. Maybe not in a technical sense.

22 Q. Do you have any non-technical  
23 understanding of it?

24 A. That that would be the period for which  
11:22 25 the litigation is alleging the price-fixing.

1 Q. And why did you choose this particular  
2 period?

3 MR. GRALEWSKI: I'll just caution the  
4 witness to the extent you can answer that question  
11:23 5 based on your knowledge, you can, but you should  
6 not reveal any communications with counsel.

7 THE WITNESS: I personally do not know why  
8 that period was picked.

9 Q. BY MR. BALLARD: If you look at the next  
11:23 10 sentence in this paragraph, it says:

11 "Plaintiffs allege that during the  
12 class period the defendants conspired  
13 to fix, raise, maintain and/or  
14 stabilize prices of CRT products sold  
11:23 15 in the United States."

16 Do you see that?

17 A. Yes.

18 Q. What is your basis for making this  
19 allegation?

11:23 20 A. The litigation that was brought forth.

21 Q. I'm sorry?

22 A. The litigation in place prior to my  
23 becoming a class representative.

24 Q. And how does that support the sentence  
11:24 25 that I just read?

1 A. Again, relying on the attorneys involved  
2 regarding the litigation.

3 Q. So you don't have any personal knowledge  
4 that would form a basis for this allegation?

11:24 5 A. Personal knowledge, no.

6 Q. Flip ahead, if you will, to Paragraph 214,  
7 and that's on Page 48 at the bottom, and feel free  
8 to read this entire paragraph. I'll just read the  
9 second sentence. It says:

11:24 10 "The entire overcharge at issue was  
11 passed on to plaintiffs and members of  
12 the indirect purchaser classes."

13 Do you see that?

14 A. Yes.

11:25 15 Q. What does the word "overcharge" mean  
16 there?

17 A. My understanding of what that means?

18 Q. Yes.

19 A. The conversation or the agreement between  
11:25 20 the manufacturers setting a price that may not have  
21 been the one that would have been a competitive  
22 price for all of the components had they not gotten  
23 together and agreed to a fixed price.

24 Q. Do you have any personal knowledge that  
11:25 25 there was an overcharge of CRT --

1 A. Personal knowledge, no.

2 Q. -- products? Do you have any personal  
3 knowledge that would support the allegation here  
4 that the overcharge was passed on to you?

11:25 5 A. Personal knowledge, no.

6 Q. Do you think the companies who sold you  
7 the products that you bought, Dell, Best Buy,  
8 Target, do you think that those companies made less  
9 profit because of the conduct that's alleged in  
11:26 10 here?

11 MR. GRALEWSKI: Object to the form. Calls  
12 for speculation. Lacks foundation. Calls for  
13 legal and expert testimony.

14 THE WITNESS: I don't know.

11:26 15 Q. BY MR. BALLARD: Earlier you testified  
16 that you came to be a named plaintiff in this case  
17 following a conversation with Mr. Flom. Prior to  
18 that conversation, did you have any reason to  
19 believe that you had been overcharged for the  
11:26 20 products that you purchased?

21 A. Prior to that conversation, I was not  
22 aware of the pending litigation, no.

23 Q. And you weren't aware of anything that  
24 would lead you to believe that there was  
11:26 25 price-fixing going on?



1 A. I was not aware of that, no.

2 Q. During the class period. So since roughly  
3 1995, did you come across any articles, any news  
4 stories about CRTs or CRT products?

11:27 5 A. Not that I recall.

6 Q. Do you read any business journals  
7 regularly?

8 A. Yes.

9 Q. Which ones?

11:27 10 A. "Business week," "Investor News,"  
11 industry-specific periodicals.

12 Q. And the industry-specific ones are  
13 specific to your job?

14 A. Retirement area, yes.

11:27 15 Q. Okay. Do you read any technology  
16 magazines?

17 A. No.

18 Q. No journals about technology?

19 A. No.

11:27 20 Q. Did you read "Business Week," and I'm  
21 sorry, what was the other one?

22 A. Investors -- it's a retirement-specific  
23 investment periodical.

24 Q. Okay. Did you read "Business Weekly"  
11:28 25 during the class period?

1 A. Not on a regular basis, no.

2 Q. About how often did you read it?

3 A. We get the subscription at the office. If

4 there's anything specific to my area, it's

11:28 5 highlighted and distributed to my staff.

6 Q. The entire magazine is distributed?

7 A. The portion highlighted, what's relevant

8 to my area.

9 Q. It is just an excerpt from a magazine?

11:28 10 A. Correct.

11 Q. So during the period we're talking about,

12 you didn't ever review the entire magazine?

13 A. Not usually.

14 Q. If you look at Paragraph 284, and that's

11:29 15 on Page 92, and that's a one-sentence paragraph,

16 and it says:

17 "Throughout the relevant period,

18 defendants affirmatively and

19 fraudulently concealed their unlawful

11:29 20 conduct against plaintiffs and the

21 classes."

22 Do you see that?

23 A. Yes.

24 Q. What does "fraudulently concealed" mean?

11:29 25 MR. GRALEWSKI: Object to the form. Calls

1 for a legal conclusion. Overbroad.

2 Q. BY MR. BALLARD: Just to be clear, my  
3 question is: What does it mean as used in this  
4 sentence?

11:29 5 MR. GRALEWSKI: Same objections.

6 THE WITNESS: I don't know that I know  
7 what it means in that sentence.

8 Q. BY MR. BALLARD: Do you have any personal  
9 knowledge that would suggest that the defendants  
11:30 10 concealed their conduct?

11 A. No.

12 Q. If you look at the next paragraph, 285,  
13 the first sentence says:

14 "Plaintiffs and the members of the  
11:30 15 classes did not discover and could not  
16 discover through the exercise of  
17 reasonable diligence that defendants  
18 were violating the law as alleged  
19 herein until shortly before this  
11:30 20 litigation was commenced."

21 Do you see that?

22 A. Uh-huh.

23 Q. Why were you unable to discover the  
24 existence of the alleged conspiracy?

11:30 25 A. Because I was not looking for a

1 conspiracy.

2 Q. So you didn't take any steps to try and  
3 discover?

4 A. No.

11:31 5 Q. In this paragraph it talks about  
6 reasonable diligence. It says the plaintiffs could  
7 not have discovered the conspiracy by using  
8 reasonable diligence.

9 Do you have an understanding as to what  
11:31 10 that phrase means?

11 MR. GRALEWSKI: Object to the form of the  
12 question. Calls for a legal conclusion.

13 THE WITNESS: In the context, no.

14 Q. BY MR. BALLARD: What would be reasonable  
11:31 15 diligence in this context?

16 MR. GRALEWSKI: Same objection. Calls for  
17 a legal conclusion.

18 THE WITNESS: I don't know the answer to  
19 that either.

11:32 20 Q. BY MR. BALLARD: If you could just turn to  
21 Paragraph 187. It's on Page 43, on the bottom of  
22 Page 43 and runs on to Page 44. The second  
23 sentence says:

24 "A March 13th, 2000, article in  
11:32 25 'Infotech Weekly' quoted an industry

1 analyst as saying that this price  
2 increase was 'unlike most other  
3 PC-related products.' "

4 Do you see that sentence?

11:32 5 A. Yes.

6 Q. Have you ever read "Infotech Weekly"?

7 A. No, I have not.

8 Q. Do you know whether this article that's  
9 referenced -- have you ever read this article  
11:33 10 that's referenced here?

11 A. No.

12 Q. Do you know whether this article was  
13 publicly available in March of 2000?

14 A. I have no idea.

11:33 15 Q. Do you have any reason to think that it  
16 wasn't publicly available?

17 A. I would have no reason to believe that,  
18 no.

19 MR. BALLARD: I think those may be all the  
11:33 20 questions that I have. What I'd like to do is just  
21 take a short break and make sure, if that's okay  
22 with you?

23 MR. GRALEWSKI: Yeah.

24 MR. BALLARD: Thank you.

11:33 25 THE VIDEOGRAPHER: We are now going off

1 the record.

2 (Whereupon a recess was taken.)

3 THE VIDEOGRAPHER: We are going to go back  
4 on the record. This concludes the deposition. We  
11:43 5 are now going off the record.

6 (Whereupon the proceedings were  
7 concluded at 11:43 a.m.)

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1 I have read the foregoing deposition  
2 transcript and by signing hereafter, approve same.

3  
4 Dated \_\_\_\_\_.

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7 \_\_\_\_\_  
(Signature of Deponent)

[illegible]

I am a duly qualified Certified Shorthand  
in the State of California, holder of  
ate Number CSR 10710 issued by the Court  
s Board of California and which is in full force  
ct. (Fed. R. Civ. P. 28(a)).

I am not a relative or employee or attorney or counsel of any of the parties, nor am I a relative or employee of such attorney or counsel, nor am I financially interested in this action. (Fed. R. Civ. P. 28).

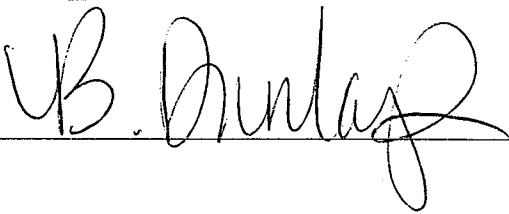
/ / /



1 of the testimony given by the witness. (Fed. R. Civ. P.  
2 30(f)(1)).

3 Before completion of the deposition, review of  
4 the transcript [xx] was [ ] was not requested. If  
5 requested, any changes made by the deponent (and  
6 provided to the reporter) during the period allowed, are  
7 appended hereto. (Fed. R. Civ. P. 30(e)).

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9 Dated: MAY 21 2012,

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# **EXHIBIT 46**

1 UNITED STATES DISTRICT COURT  
2 NORTHERN DISTRICT OF CALIFORNIA  
3 SAN FRANCISCO DIVISION

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5  
6 In Re: CATHODE RAY TUBE (CRT) )  
7 ANTITRUST LITIGATION, )  
8 Plaintiff, )

Case No.  
07-5944 Sc  
MDL No. 1917

9 This Document Relates to: )  
10 ALL ACTIONS, )  
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14  
15 VIDEOTAPED DEPOSITION OF GARY HANSON  
16 FRIDAY, MAY 4, 2012  
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23  
24

25 REPORTER: BALINDA DUNLAP, CSR 10710, RPR, CRR, RMR

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## EXAMINATIONS

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MR. BALLARD

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## DESCRIPTION

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1 FARGO, NORTH DAKOTA, MAY 4, 2012

2 ---o0o---

3 BE IT REMEMBERED that on Friday, the 4th  
4 day of May 2012, commencing at the hour of 9:27  
5 a.m. thereof, at 1202 27th Street South, Suite B,  
6 Fargo, North Dakota, before me, Balinda Dunlap, a  
7 Certified Shorthand Reporter in and for the County  
8 of San Francisco, State of California, personally  
9 appeared:

09:26 10 THE VIDEOGRAPHER: We are now on the  
11 record. Good morning. My name is Jeffrey Anders.  
12 I am a videographer associated with Barkley Court  
13 Reporters, located at 1875 Century Park East, Suite  
14 1300, in Los Angeles, California.

09:26 15 Today's date is May 4th, 2012. The time  
16 is 9:27 a.m. This deposition is taking place at  
17 Jeffries, Olson & Flom law offices in Fargo, North  
18 Dakota in the matter of In Re: Cathode Ray Tube  
19 Antitrust Litigation, Case No. 07-5944 SC.

09:27 20 This is the videotape deposition of Gary  
21 Hanson being taken on behalf of the plaintiff.

22 Would counsels for the parties please  
23 identify themselves.

24 MR. BALLARD: Mr. Hanson, good morning.  
09:27 25 We just met. My name is Dylan Ballard, and I

1 represent the Samsung SDI defendants in this case.

2 MR. FLOM: I am Joel Flom, Jeffries, Olson  
3 & Flom appearing for Mr. Hanson and with  
4 Mr. Gralewski.

09:27 5 MR. GRALEWSKI: Bob Gralewski, Kirby  
6 McInerney, on behalf of the witness and the class.

7 MR. MALAISE: Chuck Malaise, Baker Botts,  
8 for the Philips defendants.

9 THE VIDEOGRAPHER: Thank you. And the  
09:27 10 court reporter will now swear in the witness.  
11 Please swear the witness.

12 GARY HANSON

13 called as a witness by the Defendant, having  
14 been sworn to tell the truth, the whole truth, and  
09:28 15 nothing but the truth, was examined and testified as  
16 follows:

17 ---o0o---

18 EXAMINATION BY MR. BALLARD

19 Q. Mr. Hanson, can we start by having you  
09:28 20 state and spell your full name for the record?

21 A. Gary W. Hanson, G-a-r-y, W, H-a-n-s-o-n.

22 MR. GRALEWSKI: Counsel, not to interrupt  
23 your questioning, but just for the record, I just  
24 want to note that the deposition is being taken  
09:28 25 pursuant to a notice issued by the defendants.

1 MR. BALLARD: I meant to note that as  
2 well.

3 MR. GRALEWSKI: Thank you.

4 Q. BY MR. BALLARD: What does the "W" stand  
09:28 5 for?

6 A. Wayne, sorry.

7 Q. And how old are you, sir?

8 A. Sixty-one.

9 Q. What's your date of birth?

09:28 10 A. 5/10/50.

11 Q. Where do you live?

12 A. West Fargo.

13 Q. What's your address?

14 A. Address, 836 Lakeridge, all one word,  
09:28 15 Place, West Fargo 58078.

16 Q. And how long have you lived at that  
17 Lakeridge address?

18 A. Nine years, going on ten.

19 Q. And is that your only home currently?

09:29 20 A. That is my residence, correct.

21 Q. You don't have any other homes?

22 A. I have lake property.

23 Q. Where is that located?

24 A. Fergus Falls, Minnesota.

09:29 25 Q. About how much time do you spend in Fergus

1 Falls?

2 A. Thirty percent.

3 Q. Sort of a summer property?

4 A. Correct, recreational.

09:29 5 Q. Do you pay taxes in North Dakota?

6 A. Yes.

7 Q. Do you pay taxes in any other state?

8 A. Real estate taxes, yes.

9 Q. In Minnesota?

09:29 10 A. In Minnesota.

11 Q. No other taxes --

12 A. No.

13 Q. -- in that other state? Do you own a car?

14 A. Yes.

09:29 15 Q. And what state is that registered?

16 A. North Dakota.

17 Q. Are you registered to vote in North

18 Dakota?

19 A. Yes.

09:29 20 Q. What about in any other state?

21 A. No.

22 Q. Have you ever lived outside of North  
23 Dakota, other than the Minnesota property that we  
24 just talked about?

09:30 25 A. I was born and raised in Minnesota.

1 Q. When did you move to North Dakota?

2 A. 1972.

3 Q. Have you ever had your deposition taken  
4 before?

09:30 5 A. No.

6 Q. I just want to kind of quickly go through  
7 some of the ground rules, sort of a spiel that's  
8 given at every deposition, but the point is just to  
9 make sure that you and I and the court reporter are  
09:30 10 on the same page.

11 We do have a court reporter here today.  
12 She's going to be transcribing everything that is  
13 said in the room that's on the record.

14 Do you understand that?

09:30 15 A. Yes.

16 Q. And for that reason, it's important that  
17 we don't talk over each other, that we let each  
18 other finish before positing a question or giving  
19 an answer.

09:30 20 A. Okay.

21 Q. If you don't understand one of my  
22 questions today, will you let me know and I'll do  
23 my best to rework it?

24 A. Yes.

09:31 25 Q. If you don't tell me that, if you don't

1 tell me that the question's confusing and you go  
2 ahead and answer it, I am going to assume that you  
3 understood it, okay?

4 A. Okay.

09:31 5 Q. Is there any reason that you can't give me  
6 complete and accurate testimony today?

7 A. Not that I'm aware of.

8 Q. Did you graduate high school, sir?

9 A. Yes.

09:31 10 Q. What year did you graduate?

11 A. 1968.

12 Q. And did you go to college?

13 A. Yes.

14 Q. What college did you go to?

09:31 15 A. Moorhead State University.

16 Q. Sorry, Moorhead?

17 A. Moorhead State University, correct.

18 Q. And during what years did you attend  
19 Moorhead?

09:31 20 A. '68 to '72.

21 Q. And did you earn a degree?

22 A. Yes.

23 Q. What was it?

24 A. An accounting degree.

09:31 25 Q. A BA?

1 A. I believe so, yes.

2 Q. Do you have any postgraduate education?

3 A. No.

4 Q. Any other education after high school --  
09:32 5 after college, sorry?

6 A. Other than professional course work,  
7 seminars, et cetera in the line of my business.

8 Q. And what is your business, sir?

9 A. I am a trust officer.

09:32 10 Q. Can you explain to me what a trust officer  
11 does?

12 A. Essentially we manage other people's money  
13 or affairs depending upon the nature of the  
14 relationship. We are an independent trust company.  
09:32 15 We provide independent third-party fiduciary  
16 services in the way of estate settlement, trust and  
17 retirement plan.

18 Q. And where do you work right now?

19 A. Heartland Trust Company.

09:32 20 Q. And how long have you worked at Heartland?

21 A. Company started 22 years ago. I am a  
22 partner in it.

23 Q. You've been there since the beginning?

24 A. Correct.

09:32 25 Q. Okay. And where is Heartland located?

1 A. 1202 27th Street South in Fargo.

2 Q. I thought I just saw that. And do you  
3 have a job title at Heartland other than partner?

4 A. Senior vice president.

09:33 5 Q. And what are your sort of day-to-day  
6 responsibilities?

7 A. I head up and manage the corporate  
8 retirement plan area, which is about a third of our  
9 business.

09:33 10 Q. And is that the role you've played since  
11 the beginning or is that --

12 A. Yes.

13 Q. Do you know what a cathode ray tube is?

14 A. Yes.

09:33 15 Q. What is it?

16 A. It's the tube that provides the projection  
17 on a TV or a computer monitor.

18 Q. And have you ever seen one before?

19 A. Yes.

09:34 20 Q. And what do they look like?

21 A. Oblong whatever -- I don't know what the  
22 word is for the description of the shape.

23 Q. Okay. Just to get some definitions out of  
24 the way, during this deposition, I'm going to refer  
09:34 25 to a cathode ray tube, the component that we just



1 talked about --

2 A. Okay.

3 Q. As a CRT --

4 A. Okay.

09:34 5 Q. -- is that okay? And do you know what  
6 CRTs are used for?

7 A. What they're used for?

8 Q. What do people do with the CRT component  
9 that we just talked about?

09:34 10 MR. GRALEWSKI: Object to the form. Asked  
11 and answered.

12 THE WITNESS: I am not sure I understand  
13 what you're asking.

14 Q. BY MR. BALLARD: Let me try it a different  
09:34 15 way. Are CRTs used in certain kinds of products?

16 A. Yes.

17 Q. What kind of products are they used in?

18 A. If I'm watching a TV or using a computer,  
19 I am using a CRT monitor screen.

09:35 20 Q. So CRTs are used in televisions and  
21 monitors?

22 A. To the best of my knowledge, yes.

23 Q. So for the record of this definition, I am  
24 going to refer to the TV, the monitor, any other  
09:35 25 product that might contain a CRT in it, as a CRT

1 product; is that okay?

2 A. Okay.

3 Q. Have you ever worked for a company that  
4 had any involvement with CRTs?

09:35 5 A. No.

6 Q. Have you ever had a job in sales or  
7 marketing?

8 A. No.

9 Q. Have you ever held stock in any of the  
09:35 10 defendants in this case?

11 A. I do not believe so.

12 Q. Have you ever held stock, as far as you  
13 know, in any company that had any involvement with  
14 CRTs?

09:36 15 A. That I don't know.

16 MR. GRALEWSKI: Object to the form.  
17 Vague. Overbroad.

18 Q. BY MR. BALLARD: Did you do anything to  
19 prepare for this deposition today?

09:36 20 A. Please clarify.

21 Q. Anything at all to get ready for this  
22 event that we're holding right now?

23 A. I reviewed some of the material that has  
24 been provided to me in the normal course -- or over  
09:36 25 the course of the case.

1 Q. And what materials did you review?

2 A. The original complaint, the amended  
3 complaint to look at the front page, make sure my  
4 name was on it.

09:36 5 Q. Other than the original complaint and the  
6 amended complaint, any other documents?

7 MR. GRALEWSKI: I am going to interpose an  
8 objection. To the extent the -- well, I'll just do  
9 it this way: As phrased, the question seeks to  
09:37 10 invade the work product privilege and the  
11 attorney-client privilege, and as phrased, I'll  
12 instruct the witness not to answer.

13 Q. BY MR. BALLARD: My question is: Other  
14 than documents that you reviewed with your  
09:37 15 attorney, did you review any other documents other  
16 than the two complaints that you just mentioned?

17 A. No.

18 Q. Did you meet with an attorney before this  
19 deposition?

09:37 20 A. Yes.

21 Q. Who did you meet with?

22 A. Mr. Flom and Mr. Gralewski.

23 Q. And did you meet with them together?

24 A. Yes.

09:37 25 Q. How many times did you guys meet?

1 A. Once.

2 Q. And when was that?

3 A. Yesterday.

4 Q. And about how long was that meeting?

09:37 5 A. Hour and 45 minutes.

6 Q. Did you talk with anyone else regarding

7 this deposition?

8 A. No.

9 Q. Taken any notes regarding this deposition?

09:37 10 A. No.

11 Q. Was the meeting that you had with Mr. Flom

12 and Mr. Gralewski, was that the entirety of your

13 preparation for this deposition?

14 A. Yes.

09:38 15 Q. Other than the lawsuit that we're here to

16 talk about today, have you ever been a party to any

17 other lawsuit?

18 A. No.

19 Q. Have you ever testified as a witness?

09:38 20 A. No. Let me amend that.

21 Q. Sure.

22 A. In my early career as a trust officer for

23 a local bank, I did occasionally have to appear in

24 County court for accounting testimony on trust

09:38 25 accounts.

1 Q. Okay. And so what kind of cases were  
2 those?

3 A. Routine guardianship trust accounting  
4 reviews by the County court.

09:38 5 Q. Did you have a lawyer --

6 A. No.

7 Q. -- in connection with that testimony?

8 A. No.

9 Q. And I think you said earlier that you have  
09:39 10 never been deposed before?

11 A. Correct.

12 Q. Have you ever received a notice saying  
13 that you could be a member of a class, in a class  
14 action?

09:39 15 A. Did I receive a notice? Not sure I know  
16 what notice you might be referring to.

17 Q. Did you ever receive anything in the mail  
18 that said you might be a member of a class in a  
19 class action?

09:39 20 A. After consulting with the attorney on this  
21 particular one, I have received updates in the  
22 mail, yes.

23 Q. In connection with this case?

24 A. Yes.

09:39 25 Q. But not in connection with any other case?

1 A. No.

2 Q. How did you come to be a named plaintiff  
3 in this case?

4 A. My firm is the service provider for the  
09:40 5 Olson, Jeffries & Flom retirement plan. In that  
6 regard, in general conversation with Joel, he  
7 inquired if I had purchased a TV or computer  
8 monitor in the past few years, and I answered yes.  
9 And he said, "Are you aware of any action or a  
09:40 10 class action that pertains to price-fixing  
11 regarding products in those," and I said, "No."  
12 And he said --

13 MR. GRALEWSKI: I am going to --

14 MR. BALLARD: You shouldn't interrupt the  
09:40 15 witness.

16 MR. GRALEWSKI: I should interrupt the  
17 witness if the witness is going to divulge  
18 attorney-client communications, and I just want to  
19 instruct the witness to be cautious that in  
09:40 20 answering counsel's question, you do not reveal  
21 communications with counsel.

22 MR. BALLARD: And I just want to say for  
23 the record that I think it is improper to interrupt  
24 the witness. You can object to my question, but  
09:41 25 you can't stop him from speaking.

1 MR. GRALEWSKI: I am objecting to your  
2 question belatedly. So you can certainly answer  
3 the question, Mr. Hanson, but in doing so, you are  
4 not to reveal any communications with counsel.  
09:41 5 That would be considered privileged.

6 Q. BY MR. BALLARD: Did you have more to say?

7 A. In the course of that conversation that I  
8 mentioned earlier, the question was asked if I  
9 would be a willing participant in that class action  
09:41 10 because I had purchased those products representing  
11 North Dakota. I asked what that would involve --

12 MR. GRALEWSKI: And I am going to instruct  
13 you not to disclose any more communications with  
14 counsel, as any further communications would be  
09:41 15 providing legal advice. So you're not permitted to  
16 divulge that information.

17 THE WITNESS: Okay.

18 Q. BY MR. BALLARD: When was this  
19 conversation with Mr. Flom?

09:42 20 A. Early in 2008.

21 Q. Do you have a recollection of the month?

22 A. Probably February.

23 Q. And following your conversation with  
24 Mr. Flom, you agreed to become a named plaintiff in  
09:42 25 this lawsuit?

1 A. Yes.

2 Q. Prior to filing this lawsuit, were you  
3 aware that you can file a lawsuit as an individual  
4 rather than as a purported representative of a  
09:42 5 class?

6 A. No.

7 Q. Do you have a written contract with your  
8 lawyer in this case?

9 A. No, I do not.

09:42 10 Q. Have you reached any kind of agreement,  
11 even if unwritten, regarding the payment of  
12 attorney fees?

13 A. There has been no discussion in that  
14 regard.

09:43 15 Q. Nothing about the payment of litigation  
16 costs?

17 A. No.

18 Q. Do you have an understanding as to what  
19 your attorneys' fees in this case are likely to be?

09:43 20 A. I haven't been involved in that. I don't  
21 know that that's my...

22 MR. BALLARD: Okay. Go off the record for  
23 like 30 seconds.

24 THE VIDEOGRAPHER: We are now going off  
09:43 25 the record.



1 (Whereupon a recess was taken.)

2 (Reporter marked [Exhibit No. 122](#) for  
3 identification.)

4 THE VIDEOGRAPHER: We are now back on the  
09:45 5 record.

6 Q. BY MR. BALLARD: So you have just been  
7 handed what's been marked as Exhibit 122, and this  
8 document is titled "Indirect Purchaser Plaintiffs'  
9 Amended and Supplemental Objections and Responses  
09:45 10 to Defendant Samsung SDI Co., Ltd.'s First Set of  
11 Interrogatories."

12 My first question is: Have you ever seen  
13 this document before?

14 MR. GRALEWSKI: Just before the witness  
09:45 15 answers the question, which he certainly can  
16 answer, I want to interpose an objection to the use  
17 of this document now going forward, as it is an  
18 incomplete document.

19 You may proceed.

09:45 20 MR. BALLARD: Could you explain that?

21 MR. GRALEWSKI: Could I explain it?

22 MR. BALLARD: How is it incomplete?

23 MR. GRALEWSKI: It doesn't contain the  
24 exhibits that the document references, but I have  
09:45 25 stated my objection. You can proceed.

1 THE WITNESS: Would you repeat your  
2 question, please?

3 Q. BY MR. BALLARD: My question is just have  
4 you ever seen this before?

09:46 5 A. I believe so, but I have looked at three  
6 or four or five, and I am not sure that I recall  
7 exactly which one is which.

8 Q. But is it your understanding that these  
9 are your and the other indirect purchaser  
09:46 10 plaintiffs' responses to Samsung SDI's  
11 interrogatories in this case?

12 A. Is my specific response to questions I was  
13 given in this document, is that what I'm reviewing,  
14 or is this the general?

09:46 15 Q. I guess my question is: What is this  
16 document?

17 A. Not being an attorney, it's the document  
18 filed in regard to the litigation in this case.

19 Q. Did you have any involvement in preparing  
09:47 20 this document?

21 MR. GRALEWSKI: Object to the form. Vague  
22 and ambiguous.

23 THE WITNESS: Directly, no.

24 Q. BY MR. BALLARD: Did you have any indirect  
09:47 25 involvement?

1 MR. GRALEWSKI: Same objection.

2 THE WITNESS: That I don't know. I'm  
3 relying on attorneys to do what they're supposed to  
4 do in this case regarding the documentation.

09:47 5 Q. BY MR. BALLARD: I'd like you to look at  
6 Page 7, I guess, I think, and specifically the  
7 paragraph that's headed "Interrogatory No. 3." And  
8 I'll just read the first part of that first  
9 sentence. It says:

09:47 10 "Separately identify each acquisition  
11 of a CRT product upon which you base  
12 any claim in this action."

13 Do you see that?

14 A. Yes.

09:47 15 Q. If you skip down to the response to No. 3,  
16 the last sentence says:

17 "Responding further, indirect  
18 purchaser plaintiffs refer to Samsung  
19 Exhibit B1 through B25."

09:48 20 Do you see that?

21 A. Yes.

22 (Reporter marked [Exhibit No. 123](#) for  
23 identification.)

24 Q. BY MR. BALLARD: So you have just been  
09:48 25 handed Exhibit 123, and this document has a heading

1 saying:

2 "Samsung Exhibit B19, plaintiff Gary

3 Hanson."

4 Have you seen this document before?

09:48 5 A. Yes.

6 Q. And what is this?

7 A. These are the responses I provided in  
8 regard to the questions of my purchases of products  
9 involved in the litigation.

09:49 10 Q. Okay. And the first -- there's numbered  
11 sections on this page, and the first numbered  
12 section says "1, CRT product," and then looks like  
13 there are five products listed there. Are those  
14 the purchases for which you claim damages in this  
09:49 15 case?

16 A. Yes.

17 Q. These five products?

18 A. Yes.

19 Q. Do you claim damages on any other  
09:49 20 products?

21 A. No.

22 Q. Have you ever purchased a CRT product for  
23 which you are not claiming damages in this case?

24 MR. GRALEWSKI: Object to the form. Vague  
09:49 25 and ambiguous.

1           You can answer.

2           THE WITNESS: I am going to say yes,  
3 because I don't know that I had any other records  
4 on any other products during that time period that  
09:50 5 I was given.

6           Q. BY MR. BALLARD: What other CRT products  
7 have you purchased?

8           MR. GRALEWSKI: Object to the form. Vague  
9 and ambiguous. Overbroad.

09:50 10           Do you want him to answer the question  
11 ever?

12           Q. BY MR. BALLARD: Since 1995?

13           MR. GRALEWSKI: Thank you.

14           THE WITNESS: I am pretty sure I have  
09:50 15 purchased an additional television or two not on  
16 this list.

17           Q. BY MR. BALLARD: And do you have any  
18 recollection as to when those purchases occurred?

19           A. No, I don't.

09:50 20           Q. And why are you not claiming damages for  
21 those television purchases?

22           MR. GRALEWSKI: You can answer the  
23 question. I just want to caution you not to  
24 divulge communications with counsel or reveal any  
09:50 25 legal advice.

1           If you can answer that without revealing  
2   that, then go ahead. Otherwise I instruct you not  
3   to answer.

4           THE WITNESS: I did not have any relevant  
09:51 5   documentation to provide.

6           MR. BALLARD: Okay.

7                   (Reporter marked [Exhibit No. 124](#) for  
8           identification.)

9           Q. BY MR. BALLARD: So you have just been  
09:51 10   handed Exhibit 124, and this appears to be a  
11   photograph. Is this a photo of the RCA television  
12   that's identified in Part 1-A of the document we  
13   were just talking about?

14          A. I believe that might be 1-C.

09:52 15          Q. If you look at the -- there's a label in  
16   the lower right corner and it has a serial number  
17   on it, says "536412180."

18          A. Then I am mistaken, it is 1-A.

19          Q. Okay. Who took this photo?

09:52 20          A. I did, and not very well.

21          Q. And you took this photo, looks like March  
22   20th, 2008, right?

23          A. That's the date in the camera. I'm assume  
24   that would be correct. I have been known to not  
09:52 25   have correct dates in my camera when taking

1 pictures on occasion, but I will say that's  
2 probably a correct date at that time.

3 Q. You don't have any reason to think it was  
4 taken on some other date?

09:53 5 A. No.

6 Q. Why did you take this photo?

7 A. I was --

8 MR. GRALEWSKI: You can answer the  
9 question. You can't tell counsel anything your  
09:53 10 lawyers asked you to do or anything you told your  
11 lawyers. So if you can answer the question without  
12 revealing communications, you can. Otherwise, I  
13 instruct you not to answer.

14 THE WITNESS: I took the picture to  
09:53 15 provide additional documentation in response to the  
16 questions I was asked regarding the purchase.

17 Q. BY MR. BALLARD: Questions that you were  
18 asked by whom? Are you referring to the  
19 interrogatories?

09:53 20 A. Correct.

21 Q. I'm sorry.

22 A. Sorry.

23 Q. And where was this photo taken?

24 A. Because I don't recall exactly where I  
09:54 25 took the photo, it would either be in my residence

1 or my lake property.

2 Q. You don't know where this photo was taken  
3 at?

4 A. I can't recall where it was at the time I  
09:54 5 took the photo, no.

6 Q. Okay. As I mentioned earlier, looks like  
7 a label on the bottom right corner that says  
8 "Hanson, Gary" and has a model number and a serial  
9 number. Where did this label come from?

09:54 10 A. I don't know.

11 Q. You didn't put it on there?

12 A. No.

13 Q. Do you know where the information for the  
14 model number and the serial number came from?

09:54 15 A. I provided that.

16 Q. You have documentation that shows the  
17 model number and the serial number for this TV?

18 A. Yes, the card on the TV itself.

19 Q. You read it off of that card?

09:54 20 A. Yes, yes.

21 Q. What size is this TV?

22 A. Guessing, 25-inch.

23 Q. Okay. And just looking back at this

24 Exhibit B19 we were talking about, if I'm reading

09:55 25 this correctly, it says that you purchased this in



1 1995?

2 A. Correct.

3 Q. When in 1995 did you purchase it?

4 A. That I don't recall.

09:55 5 Q. How do you know that it was in 1995?

6 A. Because when I looked at the TVs that I  
7 currently have at the time in 2008, this particular  
8 model, as I recall, indicated it was manufactured  
9 in 1995, and I would have purchased it somewhere  
09:56 10 after the time it was manufactured, but I do not  
11 have specific records with the exact date of  
12 purchase.

13 Q. So you don't have any way of determining  
14 in what month in 1995 you purchased this?

09:56 15 A. No, I do not.

16 Q. Did you purchase this new or used?

17 A. New.

18 Q. Do you have any documents that might shed  
19 light on when you purchased this?

09:56 20 A. No, I do not.

21 Q. Other than this photo, do you have any  
22 other documents at all relating to this TV?

23 A. No.

24 Q. You don't have any receipts, for example?

09:56 25 A. No.

1 Q. Do you know what you did with the receipt?

2 A. I am sure it was recycled in my normal  
3 six- or seven-year dissolution and shredding of  
4 documents and put in the trash.

09:56 5 Q. So every six or seven years you shred?

6 A. Correct.

7 Q. What kinds of documents?

8 A. Credit card receipts, bills, statements,  
9 check registers, canceled checks.

09:57 10 Q. And it says that you bought this at a Best  
11 Buy in Fargo, North Dakota; is that correct?

12 A. I believe that's where I purchased it.  
13 Because I used to frequent Best Buy often for my  
14 electronics needs.

09:57 15 Q. Do you have a specific memory of buying  
16 this at Best Buy?

17 A. Not exactly, no.

18 Q. Did you ever shop at other places that  
19 sold TVs during this time?

09:57 20 A. Not that I recall.

21 Q. Did you purchase this -- did you actually  
22 walk into the store and buy it or did you buy it on  
23 the Internet?

24 A. It would be in store.

09:57 25 Q. I guess 1995 is a little early for

1 Internet.

2 Why did you decide to buy this from Best  
3 Buy?

4 A. They were one of the first big-box  
09:58 5 retailers in the area, and they would have what  
6 appeared to be the best prices.

7 Q. So did you shop around to determine that  
8 Best Buy, in fact, had the best prices?

9 A. I am sure I would have done some  
09:58 10 comparative looking to see what prices were  
11 available, yes.

12 Q. How did you pay for this TV?

13 A. I am assuming credit card.

14 Q. And why do you assume that?

09:58 15 A. Because I do most of my purchases through  
16 credit card.

17 Q. Is it possible you paid for it by some  
18 other method?

19 A. Possibly.

09:58 20 Q. Assuming you paid for it with a credit  
21 card, did the funds come out of a bank account?

22 A. Credit card statement would have been paid  
23 by check, correct.

24 Q. And where would those funds -- where was  
09:59 25 that bank account located?

1 A. First National Bank, or at that time  
2 Norwest.

3 Q. And is that in North Dakota?

4 A. Correct, Fargo, North Dakota.

09:59 5 Q. How much did you pay for this TV?

6 A. I do not recall exactly.

7 Q. You have no recollection as to the price  
8 that you paid?

9 A. No, I don't.

09:59 10 Q. Do you remember if you got a rebate for  
11 the TV?

12 A. I do not remember.

13 Q. Do you remember if you got a warranty in  
14 connection with the TV?

09:59 15 A. I'm assuming whatever warranty would have  
16 come with the product at the time.

17 Q. But you don't know if you got a warranty  
18 or not?

19 MR. GRALEWSKI: Object to the form. Asked  
10:00 20 and answered.

21 THE WITNESS: I did not purchase an  
22 additional warranty, that I would say for sure.

23 Q. BY MR. BALLARD: Why did you buy this TV?

24 A. General personal recreational use.

10:00 25 Q. Home viewing?

1 A. Home viewing.

2 Q. And were there any features that were  
3 important to you when you purchased this TV?

4 A. I'm pretty sure it had a remote.

10:00 5 Q. That was the only condition?

6 A. Yes.

7 Q. Price wasn't a factor?

8 MR. GRALEWSKI: Object to the form. Lacks  
9 foundation. Misstates testimony.

10:00 10 You can answer.

11 THE WITNESS: As I indicated, I would have  
12 done some comparative shopping to see where a  
13 similar comparable -- and again, them being the  
14 first big-box retailer in Fargo, that was where  
10:01 15 they were. That's where I purchased it, or would  
16 have -- or think I would have purchased it for that  
17 reason.

18 Q. BY MR. BALLARD: What price range were you  
19 looking at?

10:01 20 A. Back then I don't recall.

21 Q. Did you have any preference when it came  
22 to brand?

23 A. Not that I recall.

24 Q. There weren't any brands that you just  
10:01 25 wouldn't buy?

1 A. Not that I'm aware of.

2 Q. Do you still have this TV?

3 A. No.

4 Q. What did you do with it?

10:01 5 A. It was donated to the YWCA Shelter.

6 Q. I'm sorry, YW?

7 A. YWCA.

8 Q. Young Womens Center of America, I think.

9 And when did that occur?

10:02 10 A. Within the past couple of years.

11 Q. You don't remember the precise year?

12 A. No. My daughter is the associate  
13 executive director of the YWCA, and I have a  
14 pattern of donating monetary and nonmonetary. This  
10:02 15 is one that was old and was donated to the shelter  
16 for their use.

17 Q. And you think that occurred 2010 or later?

18 A. Correct.

19 (Reporter marked [Exhibit No. 125](#) for  
10:03 20 identification.)

21 Q. BY MR. BALLARD: So this is Exhibit 125.  
22 This is another photo of what looks like a TV.

23 Is this a photo of the Toshiba television  
24 that is referenced in Part 1-B of Exhibit B19?

10:03 25 A. Yes, it is.

1 Q. And did you take this photo?

2 A. Yes.

3 Q. And it looks like you took it on the same  
4 day as the photo that we just looked at; is that  
10:03 5 right?

6 A. Yes.

7 Q. And where was this photo taken?

8 A. This photo was taken in my West Fargo  
9 residence.

10:03 10 Q. So would that suggest that the photo we  
11 just looked at was also taken in West Fargo?

12 A. I would concur with that, yes.

13 Q. So in March of 2008, you had two TVs in  
14 your --

10:04 15 A. Yes.

16 Q. -- West Fargo house? And again, you  
17 supplied the model number and serial number  
18 information that's on the label?

19 A. Yes, I did.

10:04 20 Q. And what size is this TV?

21 A. This is a 13-inch.

22 Q. How do you know that?

23 A. Because that's what the owner's manual  
24 said, and that's what it is when you measure it.

10:04 25 Q. Okay. If you go back to your

1 interrogatory response, it says that you purchased  
2 this in November or December 2002?

3 A. Correct.

4 Q. How do you know it was in November or  
10:04 5 December?

6 A. Because we moved into this residence in  
7 November of 2002.

8 Q. And how does that lead to the conclusion  
9 that you bought this TV at this time?

10:05 10 A. Because the TV was purchased to be on the  
11 kitchen counter to watch the 6:00 o'clock news.

12 Q. But you don't remember if it was in  
13 November or December?

14 A. Exactly, I do not know.

10:05 15 Q. And you don't have any documents that  
16 would show it?

17 A. No, I don't.

18 Q. Did you ever have a receipt for this TV?

19 A. Again, that would have been gone with my  
10:05 20 normal disposition of old documents.

21 Q. Which occurs every six or seven years, you  
22 said, roughly.

23 If you go down to the next section of your  
24 interrogatory response it says that you bought this  
10:05 25 at Target/Best Buy/Walmart in Fargo, North Dakota?



1 A. Correct.

2 Q. What do you base that response on?

3 A. Because this is a smaller television just  
4 to be on a kitchen counter. It would have been  
10:06 5 wherever I happened to run across one at the time I  
6 was looking to purchase one, and I don't recall.  
7 Those would be my three best recollections where I  
8 might have been to purchase that size of TV.

9 Q. It's possible that you bought it somewhere  
10:06 10 else?

11 A. Possible.

12 Q. And did you purchase this one online?

13 A. No, would have been with a credit card.

14 Q. You went to the Target or the Best Buy or  
10:06 15 the Walmart or whatever it was?

16 A. Yes, yes.

17 Q. And how much did you pay for this one?

18 A. I don't recall the price.

19 Q. Not even a ballpark?

10:07 20 MR. GRALEWSKI: Object to the form. Vague  
21 and ambiguous.

22 THE WITNESS: I would have to take a guess  
23 at best.

24 Q. BY MR. BALLARD: I don't want you to do  
10:07 25 that.

1 Do you remember if this TV was on sale?

2 A. I do not recall.

3 Q. Don't remember if it was discounted in any  
4 way?

10:07 5 A. I do not.

6 Q. You don't remember if there was a rebate  
7 for the TV?

8 A. No, I don't.

9 (Reporter marked [Exhibit No. 126](#) for  
10:08 10 identification.)

11 Q. BY MR. BALLARD: So this is Exhibit 126.  
12 It is a fairly lengthy document, has a Bates No.  
13 CRT000106. It is titled "Owner's Manual" and says  
14 "Toshiba" at the top.

10:08 15 Is this the owner's manual for the TV  
16 we've been talking about?

17 A. I believe it is, yes.

18 Q. Is this a copy of the original manual that  
19 you received with your TV?

10:08 20 A. Yes.

21 Q. And how can I tell that this is the manual  
22 for this TV, this model TV?

23 A. I don't know.

24 Q. If you go to Page 13, that's Bates  
10:09 25 numbered CRT000118.

1 MR. GRALEWSKI: Counsel's referring to the  
2 little red numbers in the bottom, so 118.

3 THE WITNESS: Okay.

4 Q. BY MR. BALLARD: Top of this page says  
10:09 5 "Limited United States Warranty," and then the  
6 first sentence says:

7 "Toshiba America Consumer Products  
8 Incorporated and Toshiba Hawaii  
9 Incorporated make the following  
10:10 10 limited warranties to original  
11 consumers in the United States."

12 Do you see that?

13 A. Yes.

14 Q. And you bought this TV new in the United  
10:10 15 States?

16 A. Yes.

17 Q. If you look down further on the page it  
18 refers to "limited 90-day warranty on labor," a  
19 "limited one-year warranty on parts" and a "limited  
10:10 20 two-year warranty on picture tube."

21 Do you see that?

22 A. Yes.

23 Q. So these are the warranties that you got  
24 with this TV?

10:10 25 A. Yes.

1 Q. Other than this manual and the photo that  
2 we talked about earlier, do you have any other  
3 documents related to this Toshiba TV?

4 A. Not any longer, no.

10:11 5 Q. You don't have any receipts or invoices?

6 A. Nope, that's gone in the cycle as well.

7 Q. Okay. Do you have any credit card  
8 statements that would show what you paid for this  
9 TV?

10:11 10 A. No.

11 Q. Why did you purchase this TV?

12 A. For use in our new residence to have on  
13 the countertop.

14 Q. This was the kitchen TV?

10:11 15 A. Correct.

16 Q. And any reason for buying this particular  
17 Toshiba model TV?

18 A. No.

19 Q. Did you care about the price?

10:11 20 A. I was looking for a 13-inch TV.

21 Q. Price wasn't a big factor for you?

22 A. Wasn't a major factor, no.

23 Q. How about brand, that matter to you?

24 A. No.

10:12 25 Q. There weren't any particular features you

1 were looking for aside from the fact that it was 13  
2 inches?

3 A. That it had a remote.

4 Q. And that it had a remote?

10:12 5 A. Yes.

6 Q. Okay. And do you still have this one?

7 A. Yes, I do.

8 Q. Where is it?

9 A. On the kitchen counter, same place.

10:12 10 Q. And this is in your West Fargo --

11 A. West Fargo residence, yes.

12 Q. Okay. Got it.

13 (Reporter marked [Exhibit No. 127](#) for  
14 identification.)

10:13 15 Q. BY MR. BALLARD: This is Exhibit 127. The  
16 Bates number on this is CRT000156, and this looks  
17 like a photo of a TV. It says "RCA" on the TV. Is  
18 this a photo of the television referenced in 1-C of  
19 your interrogatory response?

10:13 20 A. Yes, it is.

21 Q. And you took this photo?

22 A. Yes.

23 Q. On March 20, 2008?

24 A. Correct.

10:13 25 Q. Again, that's the same date that you took

1 the other two?

2 A. Yes.

3 Q. And where was this one taken?

4 A. This one is in my lake property.

10:13 5 Q. So the other two photos that we just  
6 talked about were taken at your West Fargo house?

7 A. Correct.

8 Q. This one was taken somewhere else?

9 A. Correct.

10:14 10 Q. All on the same date?

11 A. Yes.

12 Q. What size is this TV?

13 A. I believe this is also a 25-inch.

14 Q. And your interrogatory response says you  
10:14 15 bought this in 2003?

16 A. Yes.

17 Q. How do you know that?

18 A. Because, again, when we were moving into  
19 our West Fargo residence, I also purchased TVs for  
10:14 20 both places. And so I'm thinking this was 2003,  
21 although I don't know for sure.

22 Q. It's possible that it was some other year?

23 A. It would have been either 2002 or 2003, to  
24 the best of my recollection.

10:15 25 Q. But you don't have any documents that

1 would tell you when it was purchased?

2 A. No.

3 Q. Do you have any other documents at all  
4 other than the photo we just looked at?

10:15 5 A. No.

6 Q. And is that because the receipt was --

7 A. Yes.

8 Q. -- shredded?

9 A. Yes.

10:15 10 Q. And it says that you purchased this at a  
11 Target in Fergus Falls, Minnesota, correct?

12 A. Correct.

13 Q. And I believe that's where you said your  
14 lake house is located?

10:15 15 A. Correct.

16 Q. So you purchased this in Minnesota for use  
17 at your house in Minnesota; is that right?

18 A. Correct.

19 Q. Did you actually go into the store to buy  
10:15 20 this?

21 A. Yes.

22 Q. And why did you decide to buy this from  
23 Target?

24 A. Target was a familiar name with a national  
10:16 25 reputation.

1 Q. Did you shop around at all before you  
2 bought it at Target?

3 A. No.

4 Q. Did you consider buying it anywhere else?

10:16 5 A. It was convenient to buy it closer to the  
6 location.

7 Q. And Target really was the only option?

8 A. Target at that time was my choice, yes.

9 Q. And how much did you pay for this one?

10:16 10 A. I don't recall.

11 Q. And again, no documentation that would  
12 tell you what it would be?

13 A. No.

14 Q. You don't remember if it was on sale?

10:16 15 A. No, I don't.

16 Q. Why did you purchase this TV?

17 A. Personal recreational TV viewing.

18 Q. Was this the only TV at your lake house?

19 A. At the time of purchase, no, I believe I  
10:17 20 had an older model that I had taken down, and this  
21 was a replacement.

22 Q. And is that older model --

23 A. Or in addition to.

24 Q. When did you buy that older model?

10:17 25 A. I don't know.



1 Q. Is that one of the purchases that you're  
2 not claiming damages on in this case?

3 A. Correct.

4 Q. And why did you decide to buy this RCA TV?

10:17 5 A. I was looking for a TV, and at that point  
6 in Target RCA was a recognized name.

7 Q. What do you mean by "recognized name"?

8 A. A national brand that I had been aware of  
9 forever since growing up.

10:18 10 Q. Was a preferred brand for you?

11 A. It was a recognized brand.

12 Q. Was price a major factor for you in buying  
13 this TV?

14 A. No.

10:18 15 Q. Do you still have this?

16 A. Yes.

17 Q. And where is it?

18 A. At my lake property.

19 Q. Okay.

10:18 20 (Discussion off the record.)

21 THE VIDEOGRAPHER: We are now going off  
22 the record.

23 (Whereupon a recess was taken.)

24 THE VIDEOGRAPHER: We are now back on the  
10:30 25 record.

1 (Reporter marked Exhibit No. 128 for  
2 identification.)

3 Q. BY MR. BALLARD: You have just been handed  
4 Exhibit 128. This exhibit is three pages long,  
10:31 5 Bates No. CRT000497 through 499.

6 My first question is: Are these three  
7 pages here related to the purchase of a Dell  
8 computer monitor that's identified at 1-D of your  
9 interrogatory responses?

10:31 10 A. Where is the identifying number that I'm  
11 looking for?

12 Q. I don't see an identifying number. I'm  
13 just wondering if you know which purchases these  
14 documents are related to?

10:31 15 A. D or E.

16 Q. It's either D or E?

17 A. Okay. Yes.

18 Q. Is that your --

19 A. Yes.

10:32 20 Q. Okay. But you can't tell by looking at  
21 these three pages, which of those purchases these  
22 documents have to do with?

23 A. I don't see a specific reference to the  
24 exact numbers shown on D or E, no.

10:32 25 Q. Okay. The first page of this exhibit is

1 titled "Packing Slip" and has a Dell logo on it.

2 Is this the packing slip that you received in

3 connection with 1-D or 1-E?

4 A. Yes.

10:32 5 Q. And did you -- strike that.

6 There's a date on it, and it says there's

7 an order date, says March 30, 2003, and there's a

8 date on the packing slip that says March 31st,

9 2003. Are either of these the date in which you

10:33 10 purchased this monitor?

11 A. I believe the 3/30 date is when I

12 purchased it, yes.

13 Q. And how did you buy this?

14 A. Online.

10:33 15 Q. And it was shipped to you from Dell to

16 your home?

17 A. It was shipped to my business address at

18 that time.

19 Q. Why was it shipped to your business

10:33 20 address?

21 A. Because we routinely have UPS service to

22 the office, and it's easier to have the packages

23 shipped there than my residence.

24 Q. Did you use this at work?

10:33 25 A. No, I did not.

1 Q. What did you use it for?

2 A. Personal home use.

3 Q. And was that at your West Fargo house?

4 A. Yes. 2003, that would have been my West

10:33 5 Fargo address.

6 Q. Wasn't in Minnesota?

7 A. No.

8 Q. How did you decide to buy this online?

9 A. A flyer in the Sunday paper.

10:34 10 Q. What did the flyer say?

11 A. It showed the bundled package.

12 Q. And can you explain a little more what you  
13 mean by "bundled package"?

14 A. The processor, the monitor, the keyboard,  
10:34 15 the mouse, the whatever else came with the  
16 fully-operational computer package.

17 Q. So you paid one price, and for that price  
18 you got a variety of products?

19 A. Everything on the packing list, yes.

10:35 20 Q. And was that price lower than it otherwise  
21 would have been because it was purchased as a  
22 bundle?

23 A. That I don't know.

24 Q. What about that flyer in that offer of the  
10:35 25 bundle made you want to purchase this one?

1 A. I was looking for computer systems at that  
2 time.

3 Q. Did the fact that this was sold as a  
4 bundle have anything to do with your decision?

10:35 5 A. Convenience.

6 Q. What do you mean by that?

7 A. I'm not a real nitty-gritty techno, so  
8 that it all came in one box, unload on my desk,  
9 plug it in, convenience.

10:35 10 Q. Before you saw the flyer in the Sunday  
11 paper, had you been looking anywhere else for your  
12 monitor?

13 A. Not -- no.

14 Q. If you look at this packing slip, like you  
10:36 15 said, it lists a variety of products. By my count  
16 there are 28 different products listed here. Were  
17 all of these products here part of the bundle?

18 MR. GRALEWSKI: Object to the form. Lacks  
19 foundation. Document speaks for itself.

10:36 20 You can answer.

21 THE WITNESS: I believe so, yes.

22 Q. BY MR. BALLARD: For example, the first  
23 item listed here looks like it's a CPU, computer  
24 CPU; is that right?

10:36 25 A. Correct, it's a processor.

1 Q. And if you go down maybe to the third  
2 line, there's a keyboard?

3 A. Correct.

4 Q. And you also got a mouse?

10:36 5 A. Correct.

6 Q. And a floppy drive?

7 A. Correct.

8 Q. And a CD-ROM drive?

9 A. Yes.

10:36 10 Q. And looks like there's a variety of  
11 software here; is that right?

12 A. I believe there were three or four  
13 programs included, yes.

14 Q. And those were pre-installed on the  
10:37 15 computer?

16 A. Correct, correct.

17 Q. And towards the bottom there's a line that  
18 says "One-year limit warranty."

19 Do you see that?

10:37 20 A. Yes.

21 Q. So you got a one-year warranty with this;  
22 that was part of the bundle?

23 A. Part of the package.

24 Q. And a couple of lines down it says "\$100  
10:37 25 mail-in rebate." So you also got a rebate as part

1 of the bundle?

2 A. Correct, correct.

3 Q. Skip ahead to the last page of this

4 exhibit. It is a document that says "Mail-in

10:37 5 Rebate Redemption Form." Is this the form that you

6 sent in to get the \$100 rebate?

7 A. Yes.

8 Q. And you, in fact, received that --

9 A. Yes.

10:37 10 Q. -- \$100?

11 A. Yes.

12 (Reporter marked [Exhibit No. 129](#) for  
13 identification.)

14 Q. BY MR. BALLARD: So you have just been  
10:38 15 handed Exhibit 129. This exhibit is five pages  
16 long. It's Bates numbered CRT000500 through 504.  
17 You just testified that you're not sure which of  
18 the Dell purchases the documents we just looked at  
19 relate to. Do you have any understanding what  
10:39 20 these documents relate to?

21 A. The second package, whichever order or  
22 whichever one they're specifically referring to.

23 Q. I'm sorry. Do you believe that this is  
24 referencing the purchase identified at 1-E on your  
10:39 25 interrogatory response?

1 A. One of them is 1-D and one of them is 1-E.

2 Q. But you're not sure --

3 A. But I'm not sure which one is which.

4 Q. Got it. But these were purchased at the

10:39 5 same time?

6 A. Correct.

7 Q. Online?

8 A. Correct.

9 Q. And did you get the same deal on both

10:39 10 monitors?

11 A. Yes.

12 Q. All the terms were the same?

13 A. Yes.

14 Q. Why did you purchase two monitors at the

10:39 15 same time?

16 A. The second system was for my son for

17 college.

18 Q. And where did he go to college?

19 A. His first year he went to Saint John's

10:40 20 University and subsequent to Moorhead State

21 University.

22 Q. Where is Saint John's, New York?

23 A. The other Saint John's, St. Cloud,

24 Minnesota.

10:40 25 Q. And where's Moorhead located?



1 A. Across the river, Moorhead, Minnesota.

2 Q. Okay. And was this package, this bundle

3 also shipped to your work address?

4 A. Correct.

10:40 5 Q. And then you gave it to your son?

6 A. Correct.

7 Q. You bought this in, looks like, March

8 31st, 2003; is that right?

9 A. Yes.

10:40 10 Q. When did your son start college?

11 A. August of that year.

12 Q. So between the time you purchased it and  
13 the time that he went to college?

14 A. Correct.

10:41 15 Q. Was this used for anything?

16 A. Used, oh, between the time? Ask the  
17 question again, please.

18 Q. Between the time that you bought it, which  
19 was March 31st, 2003, and the time your son went to  
10:41 20 college, did you use the system at all?

21 A. Set it up to make sure it was operational,  
22 yes.

23 Q. The monitor that you purchased and that  
24 you used for yourself in your own home, do you  
10:41 25 still have that one?

1 A. Yes.

2 Q. And where is it?

3 A. In my West Fargo residence.

4 Q. And what about the one that you gave to  
10:42 5 your son?

6 A. I still have that, and it's at my lake  
7 property.

8 Q. So did he return it to you at some point?

9 A. Yes.

10:42 10 Q. When was that?

11 A. 2005 would be my best estimate.

12 Q. And why did he give it back to you?

13 A. Because he did a semester at the  
14 University of Anchorage in Alaska, and he preferred  
10:42 15 to have a laptop for that purpose.

16 Q. And after he gave it back to you, you held  
17 on to it?

18 A. Correct.

19 Q. And just so I am clear on this, the  
10:42 20 bundle, this bundle that we're looking at here is  
21 identical to the bundle we were talking about --

22 A. Yes.

23 Q. -- previously?

24 A. Yes.

10:43 25 Q. Okay. So that included the \$100 rebate?

1 A. Yes.

2 Q. If you skip ahead to the page that has 502  
3 on the bottom, is this the rebate form that you  
4 submitted?

10:43 5 A. Yes.

6 Q. And you, in fact, received the \$100  
7 rebate?

8 A. Yes.

9 Q. If you look at the next page, is this the  
10:43 10 invoice for this purchase?

11 A. I believe so, yes.

12 Q. And I understand that you don't know which  
13 purchase this is for, but did you receive an  
14 identical invoice for the other monitor?

10:43 15 A. I'm sure I did, yes.

16 Q. If you look in the bottom there's a box,  
17 and one of the lines says "Invoice total." It says  
18 "770.41." Is that the price that you paid for each  
19 of these monitors?

10:44 20 A. I believe so, yes. Each of the packages.

21 Q. Right, each was \$770.41?

22 A. Correct, correct.

23 Q. And if you look a little higher in that  
24 box, it says that \$99 of that was for shipping and  
10:44 25 handling?

1 A. Yes.

2 Q. And 7.41 of that was for tax?

3 A. Yes.

4 Q. Do you know how that tax amount was  
10:44 5 calculated?

6 A. No, I do not.

7 Q. If you look next to the box that says  
8 "Tax," there's a box that says "Taxable" and it has  
9 \$114 in it. Do you know what that means?

10:44 10 A. No, I do not.

11 Q. If you look to the left of the box we were  
12 just talking about, there's some fine print and  
13 part of it is in all caps and says that:

14 "Dell Catalog" -- "Dell Catalog sales  
10:45 15 collects tax in Florida, Kentucky,  
16 North Carolina, Nevada, Tennessee,  
17 Texas. Tax in other states relates  
18 only to third-party service contracts.  
19 The buyer is responsible for admitting  
10:45 20 any additional tax to the taxing  
21 authorities."

22 Do you see that?

23 A. Uh-huh.

24 Q. Do you have any understanding as to what  
10:45 25 that means?

1 A. I have no idea what that means.

2 Q. Did you ever pay any additional tax for  
3 this purchase, for these purchases?

4 A. No.

10:45 5 Q. If you look at the item descriptions here,  
6 this lists the same products that we talked about  
7 earlier --

8 A. Yes.

9 Q. -- that were part of the bundle, right?

10:46 10 A. Yes.

11 Q. And if you look at the column that says  
12 "Unit Price," next to the CPU, the "Intel Pentium 4  
13 processor dimension 2350 series," says the unit  
14 price for that was \$664; is that correct?

10:46 15 A. Yes.

16 Q. So that's the price you paid for the  
17 computer CPU?

18 MR. GRALEWSKI: Object to the form. Lacks  
19 foundation. Calls for expert testimony.

10:46 20 THE WITNESS: I don't know what that means  
21 exactly.

22 Q. BY MR. BALLARD: If you skip down three  
23 lines says, "E772 monitor." Is that the monitor  
24 that came with the bundle?

10:46 25 A. Yes.

1 Q. If you look at the unit price for that  
2 item, it says zero dollars, correct?

3 A. Yes.

4 Q. So doesn't this say that you got the  
10:47 5 monitor for free?

6 MR. GRALEWSKI: Object to the form. Lacks  
7 foundation. Vague and ambiguous. Document speaks  
8 for itself. Calls for expert testimony.  
9 Mischaracterizes the document.

10:47 10 Q. BY MR. BALLARD: Do you have my question  
11 in mind?

12 A. Please restate.

13 (Reporter read back as requested.)

14 THE WITNESS: My understanding of my  
10:48 15 purchase would be that the price listed in "Total"  
16 was for the entire package. I do not know exactly  
17 what the components were or a price of those  
18 components.

19 Q. BY MR. BALLARD: Do you have any  
10:48 20 understanding as to why this invoice lists a price  
21 of \$664 for the CPU and a price of zero dollars for  
22 everything else?

23 MR. GRALEWSKI: Object to the form. Lacks  
24 foundation. Calls for speculation.

10:48 25 THE WITNESS: I do not know why it states

1 that.

2 Q. BY MR. BALLARD: You said you got a \$100  
3 rebate for both of these monitors --

4 MR. GRALEWSKI: Object -- sorry, Counsel.  
10:48 5 I thought you were done.

6 Q. BY MR. BALLARD: Does that mean the price  
7 for each of these monitors was 770.41 minus the  
8 rebate form?

9 MR. GRALEWSKI: Objection; calls for  
10:49 10 speculation. Objection; lacks foundation.

11 THE WITNESS: As I recall, I paid the  
12 amount on the invoice and subsequently received a  
13 rebate.

14 Q. BY MR. BALLARD: So the ultimate amount  
10:49 15 that you paid was \$664?

16 A. That would probably be correct.

17 MR. GRALEWSKI: My prior objection was  
18 calls for speculation, lacks foundation. Sorry.

19 I am going to also interpose that that  
10:50 20 question called for expert testimony.

21 (Reporter marked [Exhibit No. 130](#) for  
22 identification.)

23 Q. BY MR. BALLARD: So you have just been  
24 handed Exhibit 130. These are five photographs  
10:51 25 that were handed to me by Mr. Gralewski about a

1 half hour before the deposition.

2 Do you know what these photographs are?

3 A. These are pictures of the Dell computer  
4 monitor and the Dell computer monitor.

10:51 5 Q. Do you know which of the two monitors  
6 these are pictures of?

7 A. The one I have in my West Fargo residence,  
8 which one specifically, I do not know unless  
9 there's a number that can be matched.

10:51 10 Q. You didn't take any photos like this of  
11 the monitor in your Minnesota home?

12 A. No.

13 Q. If you look at the last photo, what is  
14 that a photo of?

10:52 15 A. That is a photo of the CRT tube in the  
16 monitor.

17 Q. How do you know that's a photo of the CRT  
18 tube?

19 A. Because I looked at it personally when the  
10:52 20 cover was off.

21 Q. And did you personally take the cover off?

22 A. No, I did not.

23 Q. Who took it off?

24 A. My attorney.

10:52 25 Q. Why did you take this photo?



1 MR. GRALEWSKI: To the extent you're able  
2 to answer that question without revealing any  
3 communications with counsel, you can answer it.  
4 Otherwise, I'll instruct you not to answer.

10:53 5 THE WITNESS: I don't know exactly why the  
6 photo was taken.

7 Q. BY MR. BALLARD: Does this label have any  
8 significance to you?

9 A. It identifies which CRT was in the  
10:53 10 monitor.

11 Q. And how do you know that's what this label  
12 means?

13 A. Because I personally visually saw it.

14 Q. When you say this identifies which CRT  
10:54 15 tube is in this monitor, what do you mean by that?

16 A. The manufacturer of the CRT.

17 MR. GRALEWSKI: Counsel, I will provide  
18 Bates numbered copies of these documents. Because  
19 the documents at the present time do not have Bates  
10:54 20 numbers on them, can we just very quickly, for the  
21 record, maybe clarify with a description or show  
22 the videotape, you know, which page is which, just  
23 in case they get reshuffled or something?

24 MR. BALLARD: You want to just have him  
10:55 25 show the camera?

1 MR. GRALEWSKI: Sure, that's fine.

2 MR. BALLARD: That's fine.

3 MR. GRALEWSKI: So why don't you hold up  
4 for the video camera when he said "turn to the last  
10:55 5 page." That was the last page, correct, Counsel?

6 MR. BALLARD: That's correct.

7 MR. GRALEWSKI: I think that's fine unless  
8 you want to document any other way.

9 MR. BALLARD: That's fine.

10:55 10 MR. GRALEWSKI: Thank you, Counsel.

11 (Reporter marked [Exhibit No. 131](#) for  
12 identification.)

13 Q. BY MR. BALLARD: So you have been handed  
14 Exhibit 131. This is another set of photos that  
10:56 15 were handed to me by Mr. Gralewski shortly before  
16 the deposition, six photos here. Who took these  
17 photos?

18 A. My attorney.

19 Q. And what is your understanding of what  
10:56 20 these photos depict?

21 A. This is the Toshiba television noted in  
22 the response under 1-B, and this, the last two  
23 pictures depict the CRT within that television.

24 Q. Where were these photos taken?

10:56 25 A. In my attorney's office.

1 Q. And you said earlier that this TV lives on  
2 your kitchen counter?

3 A. Correct.

4 Q. So how did your TV get from your kitchen  
10:57 5 counter to your attorney's office?

6 A. I brought it there.

7 Q. And why did you do that?

8 MR. GRALEWSKI: Again, you can answer the  
9 question, but you are not to reveal any  
10:57 10 communications with counsel.

11 THE WITNESS: To indicate that the  
12 television and the monitor were still in my  
13 possession.

14 Q. BY MR. BALLARD: Why was it important to  
10:57 15 indicate that?

16 MR. GRALEWSKI: Same instruction.

17 THE WITNESS: I don't know.

18 Q. BY MR. BALLARD: When were these photos  
19 taken?

10:57 20 A. Wednesday. Today's Friday. Wednesday.

21 Q. This Wednesday?

22 A. Yes.

23 Q. May 2nd --

24 A. Correct.

10:57 25 Q. -- 2012, correct?

1 A. Correct.

2 Q. And when were the photos, Dell photos we  
3 just looked at, when were those taken?

4 A. Same time.

10:58 5 Q. If you look at the last photo in this set,  
6 what is this a photo of?

7 A. That is a photo of the CRT in the  
8 television.

9 Q. And does this label here have any  
10:58 10 significance?

11 A. Which label?

12 Q. Do any of these labels have any  
13 significance?

14 A. Other than identifying the CRT, I don't  
10:58 15 know.

16 Q. Can you tell me what part of this label  
17 identifies the CRT?

18 A. I'm assuming the large label that has the  
19 name "Orion" on it.

10:59 20 Q. What does Orion mean?

21 A. The manufacturer of the CRT, in my best  
22 guess.

23 Q. What is that guess based on?

24 MR. GRALEWSKI: You can answer the  
10:59 25 question if you have your own independent

1 knowledge. You are not to reveal the contents of  
2 any communications with your lawyers. So in  
3 answering the question, if you need to do that,  
4 I'll instruct you not to answer. Otherwise, you  
10:59 5 can answer the question.

6 THE WITNESS: Being unsure, I will not  
7 answer the question.

8 Q. BY MR. BALLARD: Is your guess as to what  
9 the word "Orion" means here based on any personal  
11:00 10 knowledge?

11 MR. GRALEWSKI: Object to the form.  
12 Misstates testimony.

13 You can answer the question.

14 THE WITNESS: Please ask the question  
11:00 15 again?

16 Q. BY MR. BALLARD: You said it's your best  
17 guess that the word "Orion" indicates who  
18 manufactured this tube, and my question is: Is  
19 that based on anything of which you have personal  
11:00 20 knowledge?

21 A. No.

22 MR. GRALEWSKI: Object to the form.  
23 Misstates testimony. Vague and ambiguous.

24 Q. BY MR. BALLARD: Okay. We just looked at  
11:00 25 a set of photos for one of the Dell monitors that

1 you purchased?

2 A. Correct.

3 Q. And we looked at another set of photos for  
4 the Toshiba TV that you purchased?

11:00 5 A. Correct.

6 Q. Other than those two products, so I am  
7 talking about the other three products that you  
8 claim damages for, do you know whether any of those  
9 products contain a CRT?

11:01 10 A. Do I know they contain a CRT?

11 Q. Do you know if they do or not?

12 A. I am assuming they do.

13 Q. And what do you base that assumption on?

14 A. For the purpose of the television viewing  
11:01 15 and the computer monitor viewing.

16 Q. I am not sure --

17 A. The CRT -- my understanding, the CRT is  
18 the projection component.

19 Q. Are there other kinds of projection  
11:01 20 components?

21 A. I don't know.

22 Q. Are there TVs and -- or monitors out there  
23 that do not have CRTs in them?

24 A. Yes.

11:01 25 Q. And how do you know that your TV is one of

1 the TVs that does have a CRT in it?

2 A. Because I witnessed it taken apart and saw  
3 the CRT within.

4 Q. I'm talking about the -- I am not talking  
11:01 5 about the Toshiba TV that we just talked about.

6 For those other TVs, the RCA TVs, have you ever  
7 opened those to see if they have a CRT in them?

8 A. No, I have not.

9 Q. Do you know who manufactured the CRTs that  
11:02 10 you think are contained in those TVs?

11 A. No, I do not.

12 Q. Are you aware that there were other  
13 manufacturers of CRTs other than the named  
14 defendants in this case?

11:02 15 A. I do not know all of the manufacturers of  
16 CRTs, no.

17 Q. So you're not sure whether there may have  
18 been other manufacturers of CRTs other than the  
19 companies listed in the complaint?

11:02 20 MR. GRALEWSKI: Object to the form.  
21 Misstates testimony.

22 THE WITNESS: I don't know for sure.

23 Q. BY MR. BALLARD: Isn't it possible that  
24 the CRT that you believe is contained in these two  
11:03 25 RCA TVs, that that CRT was manufactured by someone

1 who was not named as a defendant in the complaint?

2 MR. GRALEWSKI: Object to the form. Lacks  
3 foundation. Calls for speculation. Compound.

4 You can answer.

11:03 5 THE WITNESS: I don't know.

6 Q. BY MR. BALLARD: You don't know what?

7 A. If it's possible that those TVs contain  
8 other CRTs.

9 Q. Do you have any documentation that would  
11:03 10 tell us who made the CRTs in those TVs?

11 A. No, I do not.

12 MR. GRALEWSKI: And you're referring to  
13 the two RCA TVs, correct, Counsel?

14 MR. BALLARD: That's correct.

11:04 15 MR. GRALEWSKI: Thank you.

16 Q. BY MR. BALLARD: What about -- we looked  
17 at photos of one of the monitors, Dell monitors  
18 that you purchased. What about the other monitor,  
19 have you ever opened that to see if there's a CRT  
11:04 20 in it?

21 A. No, I have not.

22 Q. So you don't know who made the CRT in that  
23 monitor?

24 A. I do not know.

11:04 25 Q. And you don't have any documentation that



1 would tell you who made the CRT?

2 A. No, no.

3 Q. For the products that we did look at

4 photos of, the Toshiba TV and one of the Dell

11:04 5 monitors, did you know who manufactured the CRT in

6 those products at the time that you bought them?

7 A. No.

8 Q. Was the manufacturer of the CRT in the

9 product important to you when you purchased the

11:04 10 product?

11 A. No.

12 Q. You're claiming damages based on purchases

13 of three TVs and the purchase of two computer

14 monitors. Is it your understanding that CRTs are

11:05 15 used in both TVs and computer monitors?

16 A. Yes.

17 Q. Are there any differences between the CRTs

18 that are used in TVs as compared to the CRTs that

19 are used in computer monitors?

11:05 20 A. I don't know that as a fact.

21 Q. You don't know whether there are any

22 differences or not?

23 A. Correct.

24 Q. Are you familiar with the term "color

11:05 25 picture tube"?

1 A. Familiar with?

2 Q. Have you ever heard that term before?

3 A. Possibly.

4 Q. What does it mean?

11:05 5 A. Not knowing for sure, another guess, it  
6 would be the picture tube in a color TV, or a color  
7 monitor.

8 Q. And what are you basing that guess on?

9 A. The wording, the definition or the  
11:06 10 assumption "color picture tube."

11 Q. So you're basing it on the words that I  
12 used?

13 A. Exactly.

14 Q. Have you ever heard the term "color  
11:06 15 display tube"?

16 A. No.

17 Q. You're a plaintiff class representative in  
18 this class action; is that correct?

19 A. Correct.

11:06 20 Q. And what is your understanding of your  
21 role in this lawsuit?

22 A. I am representing others that may have had  
23 similar purchases during the prescribed time period  
24 and may also have had some recoverable damages  
11:06 25 based on the litigation.

1 Q. And are you seeking to represent a class  
2 in this case?

3 A. My understanding is I'm representing the  
4 other residents of the state of North Dakota.

11:07 5 Q. And what is your understanding of the term  
6 "class representative"?

7 A. I am the individual named in the  
8 litigation representing the state of North Dakota  
9 and the other residents that may have been in a  
11:07 10 position of similar purchases.

11 Q. And do you have any responsibilities as a  
12 class representative?

13 A. I need to be aware of what generally what  
14 the status of the litigation is. I needed to  
11:07 15 provide information based on my purchases, and I am  
16 here doing a deposition on that behalf as well.

17 Q. And about how much time so far have you  
18 spent doing those things, putting aside today's  
19 deposition?

11:08 20 A. Six to eight hours, rough guess.

21 Q. And during that time, what kind of things  
22 have you done?

23 A. Gathering the information for the  
24 responses as we've reviewed. Reviewing the  
11:08 25 paperwork submitted for the claim on my behalf, and

1 reviewing any correspondence or any updates that  
2 have been provided to me.

3 Q. Do you independently monitor this case?

4 A. On an ongoing basis, no.

11:08 5 Q. Do you review the papers that are filed in  
6 this case?

7 A. I review what's provided to me by my  
8 attorneys.

9 Q. But you don't do any independent search  
11:08 10 for filings?

11 A. No, no.

12 Q. What do you hope to get out of this case?

13 A. If it's determined that the litigation  
14 results in damages, I would be compensated for any  
11:09 15 damages that I may have incurred in the purchases  
16 that I've noted, and the other class  
17 representatives of North Dakota would receive  
18 similar compensation if they were to produce  
19 claims.

11:09 20 Q. Do you think that every member of the  
21 class is entitled to receive the same amount?

22 A. I think that's what the litigation will  
23 determine. I don't know how I would determine  
24 that.

11:09 25 Q. You don't know how it should be determined

1 what each class member gets?

2 A. No. I would rely on the attorneys  
3 involved.

4 Q. Other than an award of your damages, have  
11:10 5 you been promised anything else for bringing this  
6 lawsuit?

7 A. No.

8 Q. As a class representative, are you  
9 entitled to any kind of compensation for performing  
11:10 10 that role?

11 A. That I'm not aware of.

12 Q. What did the defendants do wrong in this  
13 case?

14 A. My understanding was that there was  
11:10 15 conversation and/or whatever else that led to  
16 potential price-fixing determining prices for the  
17 CRTs.

18 Q. And what is "price-fixing"?

19 A. Individuals in the same industry or  
11:11 20 business agreeing amongst each other to have a set  
21 price regardless of which product they produce, and  
22 that price would be what it would be.

23 Q. And do you contend that you were injured  
24 by the defendants' conduct in this case?

11:11 25 A. If the litigation determines there was

1 price-fixing, then my understanding is that would  
2 have resulted in my paying more than I would have  
3 needed to for the products I purchased.

4 Q. But you don't know if there was  
11:11 5 price-fixing or not?

6 A. I'm leaving that up to the attorneys and  
7 the litigation.

8 (Previously marked [Exhibit No. 11](#) for  
9 identification.)

11:12 10 Q. BY MR. BALLARD: So you have just been  
11 handed Exhibit 11, and this document is titled  
12 "Indirect Purchaser Plaintiffs' Third Consolidated  
13 Amended Complaint."

14 Have you seen this document before?

11:12 15 A. I believe this has been provided to me by  
16 my attorney for review.

17 Q. And have you read it?

18 A. I have reviewed it.

19 Q. Did you review the whole thing or just  
11:13 20 certain parts of it?

21 A. The cursory review of the bold.

22 Q. I'm sorry. You said a cursory review of  
23 the bold print to see if there were any bullet  
24 points that were -- so you only reviewed the words  
11:13 25 in the complaint that are in bold; is that right?

1 MR. GRALEWSKI: Object to the form.

2 Misstates testimony.

3 THE WITNESS: If I may rephrase that. If  
4 anything in bold caught my attention, I would have  
11:13 5 reviewed a little more in-depth. I did not review  
6 all however many pages there are page by page, no.

7 Q. BY MR. BALLARD: About how much time did  
8 you spend reading through this?

9 A. About 15 minutes.

11:13 10 Q. Did you have any involvement in drafting  
11 this document?

12 A. No.

13 Q. When you said that you reviewed it, did  
14 you review it before or after it was filed?

11:14 15 A. I don't know that I recall exactly.

16 Q. Do you remember when you reviewed it?

17 A. Exact date, no.

18 Q. Do you remember what year it was?

19 A. No, I do not.

11:14 20 Q. But it wasn't recently?

21 A. Not that I recall.

22 Q. This complaint, I'll represent to you, it  
23 cites a number of sources of information. For  
24 example, it cites some news articles. Have you  
11:14 25 ever reviewed any of those?

1 A. No.

2 Q. Do you believe that statements in this  
3 complaint are true?

4 A. I am relying on the attorneys involved for  
11:15 5 that purpose, yes.

6 Q. So your belief that the statements  
7 contained in this complaint are true is based  
8 solely on the fact that they were drafted by your  
9 lawyers?

11:15 10 A. Yes.

11 Q. How did you decide to sue the defendants  
12 that are named in this complaint?

13 A. I am not sure I understand the question.

14 Q. This complaint names some specific  
11:15 15 companies; is that correct --

16 A. Yes.

17 Q. -- as defendants?

18 A. Correct.

19 Q. How did you decide to sue those companies  
11:15 20 and not some other companies?

21 MR. GRALEWSKI: Object to the form. Calls  
22 for a legal conclusion.

23 I also caution you not to reveal any  
24 communications with counsel.

11:16 25 THE WITNESS: Then I will decline.



1 Q. BY MR. BALLARD: I'm sorry, you'll  
2 decline?

3 A. I'll decline.

4 Q. Because you can't answer that question  
11:16 5 without revealing attorney-client privilege?

6 A. I don't know for sure if I can do that.

7 Q. Do you have any current plans to purchase  
8 another CRT product?

9 A. At this time, no.

11:16 10 Q. No plans to purchase a CRT TV or a  
11 monitor?

12 A. I am not in the market for anything at the  
13 moment, no.

14 Q. Would you ever purchase another CRT  
11:16 15 product?

16 A. I don't know.

17 Q. There are other technologies out there  
18 now, right?

19 A. Correct.

11:17 20 Q. There's LCDs and plasmas, right?

21 A. Correct.

22 Q. Given the existence of those technologies,  
23 would you ever buy another CRT product?

24 A. I'm thinking that determination would be  
11:17 25 made at the time and what the circumstances are.

1 Q. Okay. I'd like to ask you just a couple  
2 questions about Paragraph 243 of this document, and  
3 I'll give you a page number when I find it. It is  
4 on Page 58.

11:17 5 A. Okay.

6 Q. And I'll just read that. It says:

7 "As a direct result of the unlawful  
8 conduct of defendants and their  
9 co-conspirators in furtherance of  
11:18 10 their continuing contract, combination  
11 or conspiracy, plaintiffs and the  
12 members of the nationwide class have  
13 been injured and will continue to be  
14 injured in their business and property  
11:18 15 by paying more for CRT products  
16 purchased indirectly from the  
17 defendants and their co-conspirators  
18 than they would have paid and will pay  
19 in the absence of the combination and  
11:18 20 conspiracy."

21 Do you see that?

22 A. Yes.

23 Q. And my question is about the phrase "will  
24 continue to be injured." If you don't have any  
11:18 25 plans to ever buy another CRT product, how will you

1 continue to be injured by the conduct alleged in  
2 this complaint?

3 MR. GRALEWSKI: Object to the form.  
4 Misstates testimony. Calls for a legal conclusion.

11:18 5 THE WITNESS: If the litigation determines  
6 that there was price-fixing, if that would continue  
7 into the future and if I did purchase a CRT in the  
8 future, I'm assuming I would be paying again too  
9 much.

11:19 10 Q. BY MR. BALLARD: But you have no current  
11 plans to do that?

12 MR. GRALEWSKI: Object to the form. Asked  
13 and answered. Misstates testimony.

14 THE WITNESS: I am not currently in the  
11:19 15 market for any product.

16 Q. BY MR. BALLARD: And if it turns out that  
17 you don't ever purchase another CRT product, you  
18 won't be injured in the future by the conduct  
19 alleged in this complaint; is that right?

11:19 20 MR. GRALEWSKI: Object to the form. Lacks  
21 foundation. Calls for a legal conclusion.  
22 Incomplete hypothetical.

23 THE WITNESS: I don't know how to answer  
24 it.

11:19 25 Q. BY MR. BALLARD: If you don't buy another

1 CRT product, is it possible for you to be injured  
2 by the conduct alleged in this complaint and in the  
3 future?

4 MR. GRALEWSKI: Same objection.

11:20 5 Incomplete hypothetical. Lacks foundation. Calls  
6 for a legal conclusion.

7 THE WITNESS: If CRTs were no longer  
8 manufactured, if I did not buy one, I probably  
9 would not be injured in the future.

11:20 10 Q. BY MR. BALLARD: I want to flip back here,  
11 and I apologize for flipping back and forth, but  
12 I'd like to ask about Paragraphs 19 through 50 of  
13 this complaint. I am not going to ask about each  
14 one, but feel free to look through these  
11:20 15 paragraphs, which identify the plaintiffs in this  
16 case.

17 And my question is going to be: Do you  
18 know any of these people?

19 A. Having perused that part of it, I do not  
11:21 20 believe I know any of the named individuals.

21 Q. You've never met with or spoken with any  
22 of these people?

23 A. No.

24 Q. You've never met -- go to Paragraph 35.  
11:21 25 You've never met Barry Kushner from Minnesota?

1 A. No, I have not.

2 Q. Putting aside these people who are listed  
3 here, do you know anybody else who has ever filed a  
4 lawsuit regarding CRTs?

11:21 5 A. I'm sorry, who has ever filed a lawsuit?  
6 No, I don't.

7 Q. Anyone who's ever been a plaintiff in a  
8 lawsuit involving CRTs?

9 A. No.

11:21 10 Q. Flip back a couple pages to Paragraph 1.  
11 And if you look at the end of this first sentence  
12 here on Lines 15 and 16, it refers to a class  
13 period:

14 "Beginning at least as early as March  
11:22 15 1st, 1995, until at least November 25,  
16 2007."

17 Do you see that?

18 A. Yes.

19 Q. Do you have any understanding of the  
11:22 20 meaning of the phrase "class period"?

21 A. Maybe not in a technical sense.

22 Q. Do you have any non-technical  
23 understanding of it?

24 A. That that would be the period for which  
11:22 25 the litigation is alleging the price-fixing.

1 Q. And why did you choose this particular  
2 period?

3 MR. GRALEWSKI: I'll just caution the  
4 witness to the extent you can answer that question  
11:23 5 based on your knowledge, you can, but you should  
6 not reveal any communications with counsel.

7 THE WITNESS: I personally do not know why  
8 that period was picked.

9 Q. BY MR. BALLARD: If you look at the next  
11:23 10 sentence in this paragraph, it says:

11 "Plaintiffs allege that during the  
12 class period the defendants conspired  
13 to fix, raise, maintain and/or  
14 stabilize prices of CRT products sold  
11:23 15 in the United States."

16 Do you see that?

17 A. Yes.

18 Q. What is your basis for making this  
19 allegation?

11:23 20 A. The litigation that was brought forth.

21 Q. I'm sorry?

22 A. The litigation in place prior to my  
23 becoming a class representative.

24 Q. And how does that support the sentence  
11:24 25 that I just read?

1           A.    Again, relying on the attorneys involved  
2 regarding the litigation.

3           Q.    So you don't have any personal knowledge  
4 that would form a basis for this allegation?

11:24 5           A.    Personal knowledge, no.

6           Q.    Flip ahead, if you will, to Paragraph 214,  
7 and that's on Page 48 at the bottom, and feel free  
8 to read this entire paragraph. I'll just read the  
9 second sentence. It says:

11:24 10                   "The entire overcharge at issue was  
11                   passed on to plaintiffs and members of  
12                   the indirect purchaser classes."

13                   Do you see that?

14           A.    Yes.

11:25 15           Q.    What does the word "overcharge" mean  
16 there?

17           A.    My understanding of what that means?

18           Q.    Yes.

19           A.    The conversation or the agreement between  
11:25 20 the manufacturers setting a price that may not have  
21 been the one that would have been a competitive  
22 price for all of the components had they not gotten  
23 together and agreed to a fixed price.

24           Q.    Do you have any personal knowledge that  
11:25 25 there was an overcharge of CRT --

1 A. Personal knowledge, no.

2 Q. -- products? Do you have any personal  
3 knowledge that would support the allegation here  
4 that the overcharge was passed on to you?

11:25 5 A. Personal knowledge, no.

6 Q. Do you think the companies who sold you  
7 the products that you bought, Dell, Best Buy,  
8 Target, do you think that those companies made less  
9 profit because of the conduct that's alleged in  
11:26 10 here?

11 MR. GRALEWSKI: Object to the form. Calls  
12 for speculation. Lacks foundation. Calls for  
13 legal and expert testimony.

14 THE WITNESS: I don't know.

11:26 15 Q. BY MR. BALLARD: Earlier you testified  
16 that you came to be a named plaintiff in this case  
17 following a conversation with Mr. Flom. Prior to  
18 that conversation, did you have any reason to  
19 believe that you had been overcharged for the  
11:26 20 products that you purchased?

21 A. Prior to that conversation, I was not  
22 aware of the pending litigation, no.

23 Q. And you weren't aware of anything that  
24 would lead you to believe that there was  
11:26 25 price-fixing going on?



1 A. I was not aware of that, no.

2 Q. During the class period. So since roughly  
3 1995, did you come across any articles, any news  
4 stories about CRTs or CRT products?

11:27 5 A. Not that I recall.

6 Q. Do you read any business journals  
7 regularly?

8 A. Yes.

9 Q. Which ones?

11:27 10 A. "Business week," "Investor News,"  
11 industry-specific periodicals.

12 Q. And the industry-specific ones are  
13 specific to your job?

14 A. Retirement area, yes.

11:27 15 Q. Okay. Do you read any technology  
16 magazines?

17 A. No.

18 Q. No journals about technology?

19 A. No.

11:27 20 Q. Did you read "Business Week," and I'm  
21 sorry, what was the other one?

22 A. Investors -- it's a retirement-specific  
23 investment periodical.

24 Q. Okay. Did you read "Business Weekly"  
11:28 25 during the class period?

1 A. Not on a regular basis, no.

2 Q. About how often did you read it?

3 A. We get the subscription at the office. If

4 there's anything specific to my area, it's

11:28 5 highlighted and distributed to my staff.

6 Q. The entire magazine is distributed?

7 A. The portion highlighted, what's relevant

8 to my area.

9 Q. It is just an excerpt from a magazine?

11:28 10 A. Correct.

11 Q. So during the period we're talking about,

12 you didn't ever review the entire magazine?

13 A. Not usually.

14 Q. If you look at Paragraph 284, and that's

11:29 15 on Page 92, and that's a one-sentence paragraph,

16 and it says:

17 "Throughout the relevant period,

18 defendants affirmatively and

19 fraudulently concealed their unlawful

11:29 20 conduct against plaintiffs and the

21 classes."

22 Do you see that?

23 A. Yes.

24 Q. What does "fraudulently concealed" mean?

11:29 25 MR. GRALEWSKI: Object to the form. Calls

1 for a legal conclusion. Overbroad.

2 Q. BY MR. BALLARD: Just to be clear, my  
3 question is: What does it mean as used in this  
4 sentence?

11:29 5 MR. GRALEWSKI: Same objections.

6 THE WITNESS: I don't know that I know  
7 what it means in that sentence.

8 Q. BY MR. BALLARD: Do you have any personal  
9 knowledge that would suggest that the defendants  
11:30 10 concealed their conduct?

11 A. No.

12 Q. If you look at the next paragraph, 285,  
13 the first sentence says:

14 "Plaintiffs and the members of the  
11:30 15 classes did not discover and could not  
16 discover through the exercise of  
17 reasonable diligence that defendants  
18 were violating the law as alleged  
19 herein until shortly before this  
11:30 20 litigation was commenced."

21 Do you see that?

22 A. Uh-huh.

23 Q. Why were you unable to discover the  
24 existence of the alleged conspiracy?

11:30 25 A. Because I was not looking for a

1 conspiracy.

2 Q. So you didn't take any steps to try and  
3 discover?

4 A. No.

11:31 5 Q. In this paragraph it talks about  
6 reasonable diligence. It says the plaintiffs could  
7 not have discovered the conspiracy by using  
8 reasonable diligence.

9 Do you have an understanding as to what  
11:31 10 that phrase means?

11 MR. GRALEWSKI: Object to the form of the  
12 question. Calls for a legal conclusion.

13 THE WITNESS: In the context, no.

14 Q. BY MR. BALLARD: What would be reasonable  
11:31 15 diligence in this context?

16 MR. GRALEWSKI: Same objection. Calls for  
17 a legal conclusion.

18 THE WITNESS: I don't know the answer to  
19 that either.

11:32 20 Q. BY MR. BALLARD: If you could just turn to  
21 Paragraph 187. It's on Page 43, on the bottom of  
22 Page 43 and runs on to Page 44. The second  
23 sentence says:

24 "A March 13th, 2000, article in  
11:32 25 'Infotech Weekly' quoted an industry

1 analyst as saying that this price  
2 increase was 'unlike most other  
3 PC-related products.' "

4 Do you see that sentence?

11:32 5 A. Yes.

6 Q. Have you ever read "Infotech Weekly"?

7 A. No, I have not.

8 Q. Do you know whether this article that's  
9 referenced -- have you ever read this article  
11:33 10 that's referenced here?

11 A. No.

12 Q. Do you know whether this article was  
13 publicly available in March of 2000?

14 A. I have no idea.

11:33 15 Q. Do you have any reason to think that it  
16 wasn't publicly available?

17 A. I would have no reason to believe that,  
18 no.

19 MR. BALLARD: I think those may be all the  
11:33 20 questions that I have. What I'd like to do is just  
21 take a short break and make sure, if that's okay  
22 with you?

23 MR. GRALEWSKI: Yeah.

24 MR. BALLARD: Thank you.

11:33 25 THE VIDEOGRAPHER: We are now going off

1 the record.

2 (Whereupon a recess was taken.)

3 THE VIDEOGRAPHER: We are going to go back  
4 on the record. This concludes the deposition. We  
11:43 5 are now going off the record.

6 (Whereupon the proceedings were  
7 concluded at 11:43 a.m.)

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1 I have read the foregoing deposition  
2 transcript and by signing hereafter, approve same.

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4 Dated \_\_\_\_\_.

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(Signature of Deponent)

DEPOSITION OFFICER'S CERTIFICATE

STATE OF CALIFORNIA        }  
  }    ss.  
COUNTY OF SAN FRANCISCO }

I, Balinda Dunlap, hereby certify:

I am a duly qualified Certified Shorthand Reporter in the State of California, holder of Certificate Number CSR 10710 issued by the Court Reporters Board of California and which is in full force and effect. (Fed. R. Civ. P. 28(a)).

I am authorized to administer oaths or affirmations pursuant to California Code of Civil Procedure, Section 2093(b) and prior to being examined, the witness was first duly sworn by me. (Fed. R. Civ. P. 28(a), 30(f)(1)).

I am not a relative or employee or attorney or counsel of any of the parties, nor am I a relative or employee of such attorney or counsel, nor am I financially interested in this action. (Fed. R. Civ. P. 28).

I am the deposition officer that stenographically recorded the testimony in the foregoing deposition and the foregoing transcript is a true record

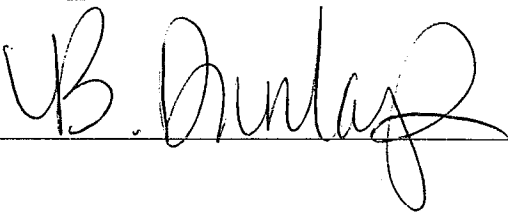
/ / /



1 of the testimony given by the witness. (Fed. R. Civ. P.  
2 30(f)(1)).

3 Before completion of the deposition, review of  
4 the transcript [~~xx~~] was [ ] was not requested. If  
5 requested, any changes made by the deponent (and  
6 provided to the reporter) during the period allowed, are  
7 appended hereto. (Fed. R. Civ. P. 30(e)).

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9 Dated: MAY 21 2012,

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<b>year (6)</b> 11:10;35:11;43:22; 53:19;54:11;76:18 <b>years (7)</b> 8:18;11:18;12:21; 19:8;31:5;35:10;37:21 <b>Yesterday (1)</b> 17:3 <b>York (1)</b> 53:22 <b>Young (1)</b> 35:8 <b>YW (1)</b> 35:6 <b>YWCA (3)</b> 35:5,7,13				
<b>Z</b>				
<b>zero (2)</b> 59:2,21				

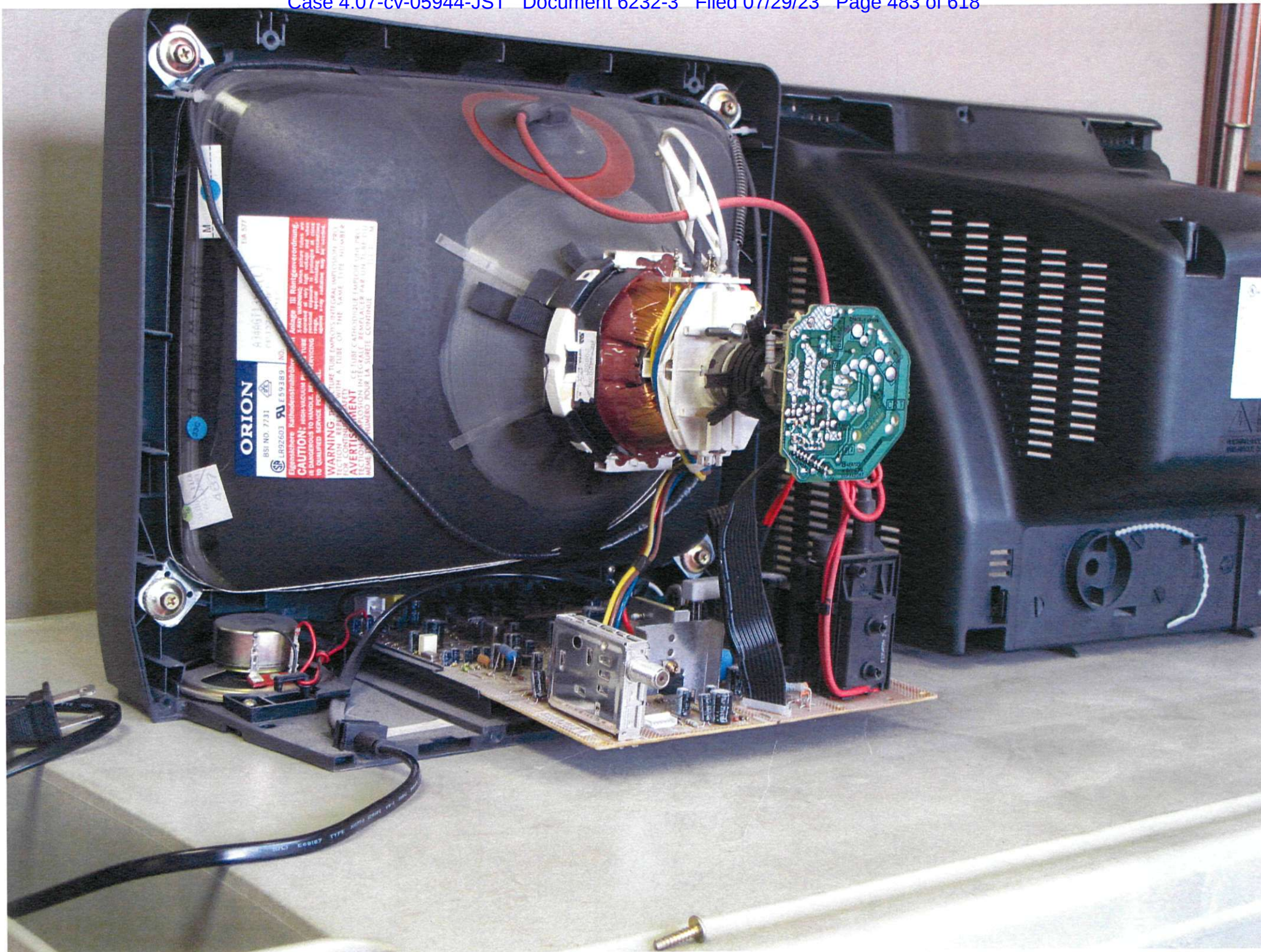
# **EXHIBIT 47**



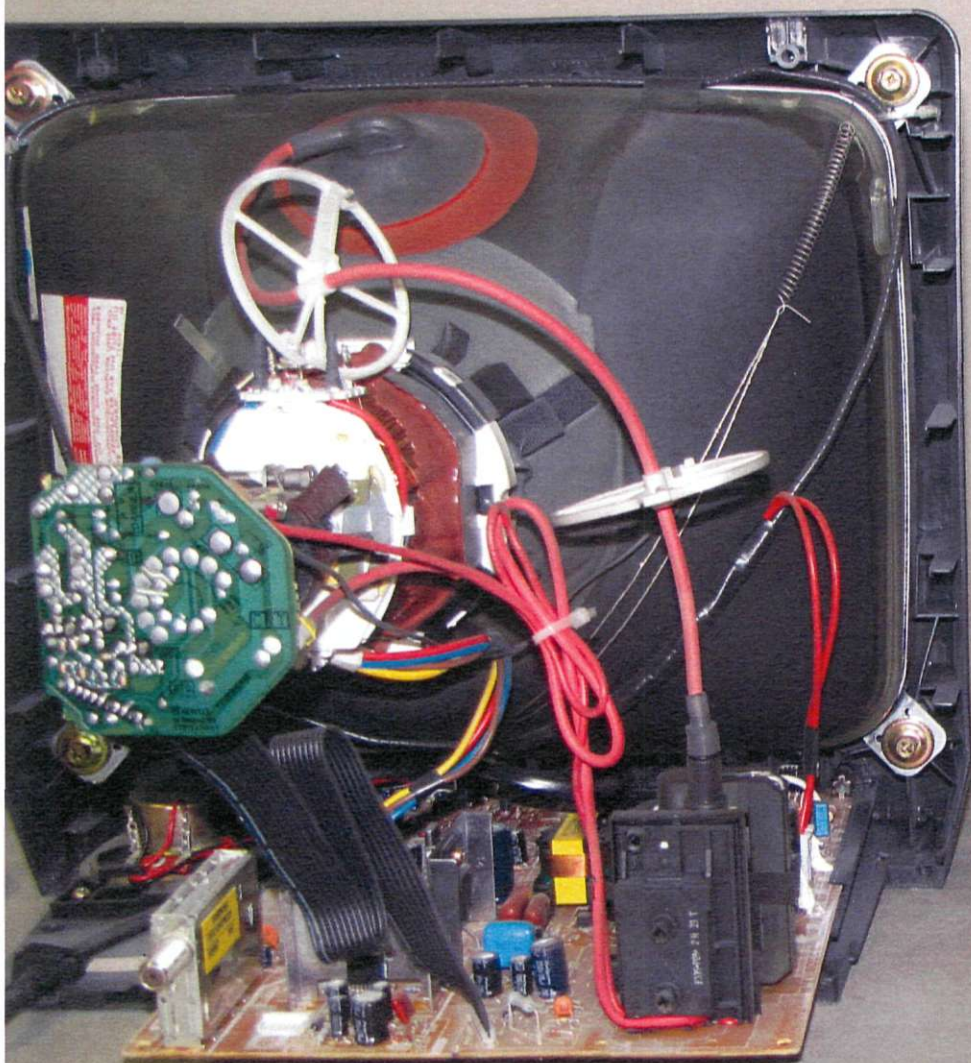


DEPOSITION  
EXHIBIT  
131  
5/4/12 Hanson













# TOSHIBA

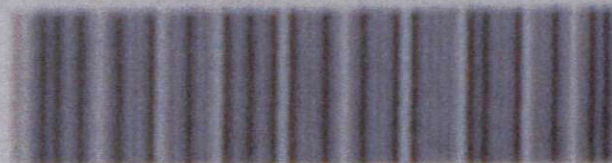
## COLOR TV

MADE IN THAILAND/FABRIQUE EN THAILANDE

MANUFACTURED/FABRIQUÉ : KD

SEPTEMBER 2002

MODEL / MODELE NO. SERIAL NO. / NO. DE SERIE :  
13A22



82468602 D

CHASSIS : M3L18

AC/CA 120V 60Hz 54W

CERTIFICATION : COMPLIES WITH FCC RADIATION  
PERFORMANCE STANDARDS, 21 CFR SUBCHAPTER J  
CABLE COMPATIBLE TELEVISION APPARATUS - TÉLÉVISION CÂBLOCOMPATIBLE, CANADA  
THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.  
OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS  
(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND  
(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED,  
INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION

DISTRIBUTED BY: TOSHIBA AMERICA CONSUMER PRODUCTS, INC.  
82 TOTOWA ROAD, WAYNE, NEW JERSEY 07090 U.S.A.  
TOSHIBA OF CANADA LTD.  
181 McNabb St. MARKHAM, ONTARIO L3R 9H2 CANADA

TOSHIBA279



061H1  
AGT  
11C6  
3798L  
487

33C

M

**ORION**

BSI NO. 7731



LR92603



E59389

NO:

A34AGT13(L)  
CPJ37 BK1S-TC  
327186666

EIA 577

Eigensichere Kathodenstrahlröhre  
**CAUTION:** HIGH-VACUUM PICTURE TUBE  
IS DANGEROUS TO HANDLE. REPAIR SERVICING  
TO QUALIFIED SERVICE PERSONNEL.

Anlage III Röntgenverordnung.  
X-RAY WARNING: When picture tubes are  
operated at very high voltage and when  
personal exposure is prolonged at close  
range, special shielding precautions  
against x-ray radiation may be needed.

**WARNING:** THE PICTURE TUBE EMPLOYS INTEGRAL IMPLOSION PRO-  
TECTION. REPLACE WITH A TUBE OF THE SAME TYPE NUMBER  
FOR CONTINUOUS SAFETY.

**AVERTISSEMENT:** CE TUBE CATHODIQUE EMPLOIE UNE PRO-  
TECTION D'IMPLOSION INTEGRALE. REMPLACER PAR UN TUBE DU  
MEME TYPE NUMERO POUR LA SURETE CONTINUE.

T1424 M



061M11C6  
AGT13A88L  
487

33C

M

**ORION**  
BSI NO. 7731   
 LR92603  E59389 NO: A34AGT13A88L(L)  
CPJ370 BK1S-TC  
27186666  
EIA 577

Eigensichere Kathodenstrahlröhre in Anlage III Röntgenverordnung.  
**CAUTION:** HIGH-VACUUM PICTURE TUBE IS DANGEROUS TO HANDLE. REPAIR SERVICING TO QUALIFIED SERVICE PERSONNEL.  
**WARNING:** THE PICTURE TUBE EMPLOYS INTEGRAL IMPLOSION PROTECTION. REPLACE WITH A TUBE OF THE SAME TYPE NUMBER FOR CONTINUED SAFETY.  
**AVERTISSEMENT:** CE TUBE CATHODIQUE EMPLOIE UNE PROTECTION D'IMPLOSION INTEGRALE. REMPLACER PAR UN TUBE DU MEME TYPE NUMERO POUR LA SURETE CONTINUE.  
T1424 M

X-RAY WARNING: When picture tubes are operated at very high voltage and when personal exposure is prolonged at close range, special shielding precautions against x-ray radiation may be needed.

MR 1A003A12  
20808  
INTRA MARKING CY-90241  
M

# **EXHIBIT 48**



Produced on 9/7/11

**SAMSUNG EXHIBIT B19**

**PLAINTIFF GARY HANSON**

**1. CRT PRODUCT:**

- a. RCA Television - S/N: S536412180
- b. Toshiba Television – S/N: A2468602D
- c. RCA Television – S/N: D384C72C7
- d. Dell Computer Monitor – Model Number E772c; S/N: CN 09M556-64180-317-03YX
- e. Dell Computer Monitor – Model Number E772c; S/N: CN 09M556-64180-338-006R

**2. DATE OF PURCHASE:**

- a. 1995
- b. November or December 2002
- c. 2003
- d. April 2003
- e. April 2003

**3. LOCATION of PURCHASE:**

- a. Best Buy – Fargo, North Dakota
- b. Target/Best Buy/Wal-Mart – Fargo, North Dakota
- c. Target – Fergus Falls, Minnesota
- d. Dell
- e. Dell

**4. PERSONS INVOLVED IN PURCHASE:** Gary Hanson (plaintiff)

**5. PRICE:**

- a. Not available
- b. Not available
- c. Not available
- d. \$770.00 (including computer and other items)
- e. \$770.00 (including computer and other items)

**6. TAXES/FEES:** The standard sales tax was applied to the purchases of the televisions. Mr. Hanson was charged \$7.41 in taxes in connection with each monitor purchase.

**7. BUNDLE:** None of the televisions were purchased as part of a bundle or system. Both computer monitors were part of a bundle.



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Produced on 9/7/11

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8. **WARRANTIES:** For the televisions, none other than any standard manufacturers' warranties. The computer monitors came with a 1 year limited warranty, and Mr. Hanson received a \$100 rebate in connection with both monitor purchases.

9. **PURPOSE of PURCHASE:** Personal use.

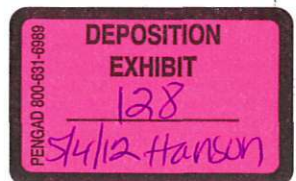
See also CRT000106-156 and CRT000497-504.



**THIS IS NOT AN INVOICE**  
 Dell Computer Corporation (800) WWW-DELL  
 8801 Research Blvd.  
 Austin, Texas 78758

# Packing Slip

Ship To: ATTN: GARY HANSON PHONE 7012352002 HANSON, GARY 120 SOUTH 8TH ST FARGO, ND		Sold To: HANSON GARY 120 SOUTH 8TH ST FARGO, ND 58103		Page 1 of 2	
Customer	Customer	Purchase Order Number	Salesperson Name - Company Number	Order Number	
30072699		NAONLINECUST	29	310621314	
Date	Order Date	Shipped Via	Tracking/Bill of Lading No.		
03/31/2003	03/30/2003	UPS	1Z563E1W4255815314		
Quantity Ordered	Quantity Shipped	Item Number	Description	Part Number	Unit
1	1	462-0141	Dimension 2350 Series, Intel Pentium 4 Processor at 2GHz, J3GTM21	0X923	
1	1	461-8524	256MB DDR SDRAM at 266MHz	4K180	
1	1	310-1582	Dell Quiet Key Keyboard	9N495	
1	1	320-0449	E772, 17IN(16.0IN VIS)MONITOR, Midnight Grey, Dimension	9M556	
1	1	430-3900	Integrated Intel 3D AGP Graphics	00009	
1	1	340-7397	60GB Ultra ATA/100 Hard Drive 7200RPM	4X117	
1	1	310-3401	3.5in Floppy Drive	00009	
1	1	420-1921	Microsoft Windows XP Home Edition, Service Pack 1, English	4C490	
1	1	313-7222	Dell Application Back-up CD, Factory Install	2296W	
1	1	412-0309	Dell Support 2.0 for Dimension 2350	0W981	
1	1	310-1871	Dell 2-button Scroll Mouse	6U221	
1	1	430-0441	Integrated 10/100 Ethernet	00009	
1	1	313-1313	56K PCI Data Fax Modem for Windows	5W705	
1	1	313-1476	48X Max Variable CD-ROM Drive, Factory Install	666NN	
1	1	313-0847	Integrated ADI 1885 Audio	00009	
1	1	313-7284	Harmon Kardon HK-395 Speakers	7E840	
1	1	412-0326	NETWORK ASSOCIATES MCAFEE.COM OEM, ENGLISH, 90 DAY TRIAL, FACTORY INSTALL	1Y816	
1	1	412-0298	MusicMatch 7, 1x Basic	9W253	
1	1	412-0271	Dell Picture Studio Image Expert Standard, Dimension	6T513	
1	1	412-0273	Dell Picture Studio Paint ShopPro Try and Buy, Dimension	9T505	
1	1	412-0365	AOL 8.0 - DHS	C0877	
1	1	412-0371	AOL 8.0 - Buddy ROM	G0344	
1	1	412-0337	MS Worksuite 2003, CD with Documentation, OEM, US, English, Factory Install	3Y356	
1	1	950-9797	No Warranty, Year 2 and 3	80689	
1	1	950-3337	1 Year Limited Warranty	94443	
1	1	412-0360	Soft Contracts - BancTec	C0374	
1	1	462-0463	\$100 MAIL-IN REBATE! 38102 Redeem your rebate after purchase at dell4me.com/ rebates	00009	
1	1	460-6606	48x/24x/48x CD-RW Drive	1W099	



CRT000497





## Mail-In Rebate Redemption Form

Congratulations on the purchase of your new Dell Home System. Use this rebate form for Dell Home Systems, Service and Payment option rebates. Please submit only one form per system purchase. If you have any questions related to Dell mail-in rebates, please go online to [www.dell4me.com/rebates](http://www.dell4me.com/rebates).

### TO RECEIVE YOUR DELL MAIL-IN REBATE:

1. Purchase a qualifying Dell Home System during valid mail-in rebate offer period. Rebate offer and amount will be listed on the system packing slip for qualifying Dell Home System purchases. Your packing slip is in the clear, plastic envelope affixed to the outside of the box of your new system.
2. Complete this form. You must sign the agreement below.
3. Mail this completed form, along with your system packing slip, to the address listed below. Your request must be postmarked within 30 calendar days of your system ship date ("date" listed on your packing slip to the far left column under your customer account number). Please allow 8-10 weeks for processing.

Dept # 38000  
Dell Home Systems Mail-In Rebate  
P.O. Box 52900  
Phoenix, AZ 85072

Name Gary E. Hanson  
Address 836 Lakeridge Place  
West Fargo, ND 58078  
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
Telephone Number 701-835-3022 daytime  
E-mail Address Gary.E.Hanson@west.fargo.nd.us

### In signing and submitting this rebate form, you acknowledge and agree to the following Terms and Conditions:

Dell Home Systems Mail-In Rebate offer valid only with eligible U.S. Dell Home Systems purchases during valid mail-in rebate offer periods. While supplies last and no substitutions or rainchecks. Offer may not be combinable with all other offers or discounts available from Dell Home Systems Co. Not valid for refurbished products purchased through Dell Outlet. Request form must be fully completed and must include a copy of dated packing slip for purchase made direct from Dell for qualifying product purchased. Keep copies of all materials sent. Materials received become the property of Dell and will not be returned. One rebate per qualifying purchase. Dell is not responsible for lost, late, or misdirected mail. Request must be postmarked within 30 calendar days of system ship date. Any claims postmarked after 30 calendar days of system ship date will not be processed. If terms and conditions are not met, rebate will not be sent. Please allow 8-10 weeks for receipt of check. Rebate checks are void if not cashed within 90 days of issuance and cannot be reissued. To qualify for this rebate you must be a legal U.S. resident 18 years of age or older. The description of Dell mail-in rebate offer must appear on the Dell packing slip. Only actual purchaser of the qualifying products may participate in this rebate program. Requests from group or organizations will not be honored. Void where prohibited or restricted by law. Availability and terms of offer may change without notice.

Signature [Signature] Date 4/8/03  
Printed Name Gary E. Hanson

If you have not received your rebate check after 10 weeks, you may go to [www.rebatestatus.com](http://www.rebatestatus.com), or call 1-866-842-3616. Additional copies of this form are available at [www.dell4me.com/rebates](http://www.dell4me.com/rebates)



# **EXHIBIT 49**



# DELL

**DELL®**

Computer Corporation

One Dell Way  
Round Rock, TX 78682  
www.dell.com

COLOR MONITOR (彩色显示器) 43.2cm(17")

Model No. (型号): E772c

Power Rating (电压/频率/电流): 100-240V~50/60Hz 2.5A

注意: 本显示器内有高压, 非专业人员, 请勿自行打开后盖, 以免危险!

Geprüft nach Tested Acc. to  
MPR II: MPR 1990:8/1990:10

NOM  
166



CH0073112-2001  
GB4943-1995

檢磁 3912A294



E129689  
LISTED  
I.T.E.  
1K81



LR60441



S19063



BZ02



020864-00



生产厂商: 冠捷电子(福建)有限公司  
地址: 福建省福州市元洪路上郑

Made in China(中国制造)  
40A2045-700-1C JL

**FCC ID: ARSCM761U**

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This Class B digital apparatus meets all requirements of the Canadian Interference - Causing Equipment Regulations.  
Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

THIS DEVICE COMPLIES WITH FDA RADIATION PERFORMANCE STANDARDS, 21 CFR SUBCHAPTER J.

Este aparato cumple con las reglas de FCC, Parte 15.  
El funcionamiento esta sujeto a las dos condiciones siguientes:  
Este aparato no produce interferencias perjudiciales, y (2) no se ve afectado por interferencias externas, incluyendo interferencias ocasionadas por funcionamiento no deseado.

Es un aparato digital Clase B y cumple con todos los requerimientos Canadienses establecidos en la directiva sobre interferencias en equipos.

ESTE APARATO CUMPLE CON LAS NORMAS FDA SOBRE EJECUCION DE LA RADIACION, 21 CFR SUBTITULO J.

Die in diesem Gerät entstehende Röntgenstrahlung ist ausreichend abgeschirmt.  
Beschleunigungsspannung: max. 27KV  
Cathode Ray Tube intrinsically safe according to appendix III Röntgenverordnung  
Eigensichere Kathodenstrahlröhre nach Anlage III Röntgenverordnung

PEIGAD 800-831-8888

DEPOSITION  
EXHIBIT

130

5/16/24 Hanson



# DELL

**DELL®**
**Computer Corporation**

One Dell Way  
Round Rock, TX 78682  
www.dell.com

COLOR MONITOR (彩色显示器) 43.2cm(17")  
Model No. (型号): E772c

Power Rating (电压/频率/电流): 100-240V~50/60Hz 2.5A  
注意: 本显示器内有高压, 非专业人员, 请勿自行打开后盖, 以免危险!

Geprüft nach Tested Acc. to  
MPR II: MPR 1990:9/1990:10

NOM  
TSS

B

UL

CR073112-2001  
GB4943-1995

檢磁 3912A294

GS

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LISTED  
1742

SR  
LR00441

CIB  
S19063

PG  
BZ02

SAFETY  
020864-00

VEI

SV

S

DELL®

生产厂商: 冠捷电子(福建)有限公司  
地址: 福建省福州市元洪路上郊

Made in China(中国制造)  
40A2045-700-1C JL

**FCC ID: ARSCM761U**

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

THIS DEVICE COMPLIES WITH FDA RADIATION PERFORMANCE STANDARDS, 21 CFR SUBCHAPTER J.

Este aparato cumple con las reglas de FCC, Parte 15.  
El funcionamiento esta sujeto a las dos condiciones siguientes:

Este aparato no produce interferencias perjudiciales, y (2) no se ve afectado por interferencias externas, incluyendo interferencias ocasionadas por funcionamiento no deseado.

Es un aparato digital Clase B y cumple con todos los requerimientos Canadienses establecidos en la directiva sobre interferencias en equipos.

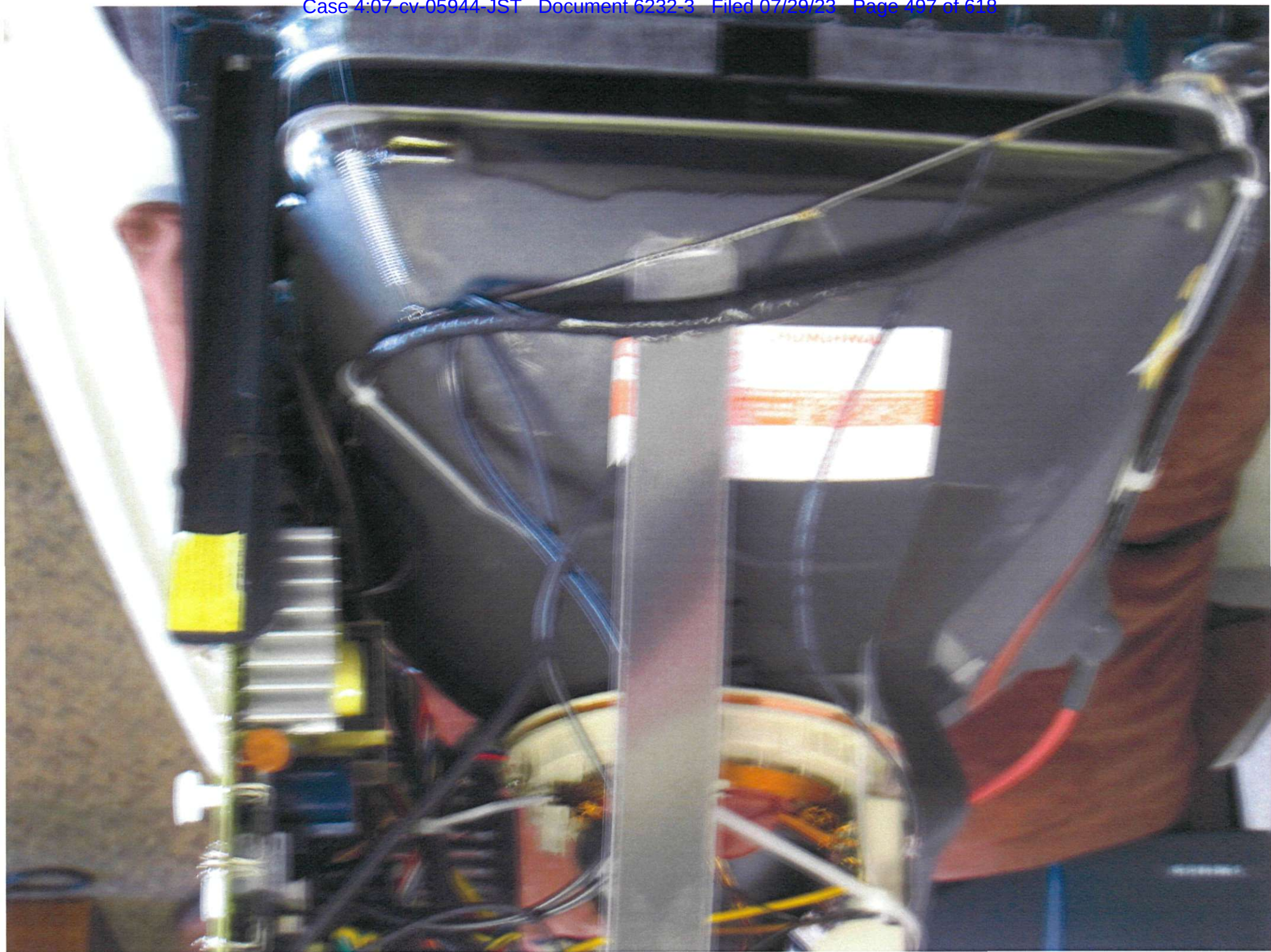
ESTE APARATO CUMPLE CON LAS NORMAS FDA SOBRE EJECUCION DE LA RADIACION, 21 CFR SUBTITULO J.

Die in diesem Gerät entstehende Röntgenstrahlung ist ausreichend abgeschirmt.  
Beschleunigungsspannung: max. 27KV  
Cathode Ray Tube intrinsically safe according to appendix III Röntgenverordnung  
Eigensichere Kathodenstrahlröhre nach Anlage III Röntgenverordnung

WARNING: SHOCK HAZARD - DO NOT OPEN  
AVIS: RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR  
PRECAUCION: RIESGO DE CHOQUE ELECTRICO NO ABRIR

CN-09M555-64180-317-0  
REV A00  
Made in China







SI NO.  
584



07038

**CHUNGHW**

EIA 577

M41AGB93 6 C (PLL)

CPJ440A C18-TC

NO:

L 3015010 441

MADE IN CHINA

strahlröhre nach Anlage Röntgenverordnung

UM PICTURE TUBE  
REFER SERVICING  
PERSONNEL

X-RAY WARNING: When picture tubes are operated at very high voltage and when exposure is prolonged at close range, special shielding precautions against x-ray radiation may be needed.

PICTURE TUBE EMPLOYS INTEGRAL IMPLOSION  
WITH A TUBE OF THE SAME TYPE NUMBER  
FETY.

NT : CE TUBE CATHODIQUE EMPLOIE UNE PRO-  
ON INTEGRALE. REMPLACER PAR UN TUBE DU  
POUR LA SURETE CONTINUE.

D1704 F



SI NO.  
594



07036

**CHUNGHW**

EIA 577

M41AGE93 6 C (PLL)

CPJ440AF CIS-TC

NO: L 3015010 441

MADE IN CHINA

strahlröhre nach Anlage Röntgenverordnung.

UM PICTURE TUBE  
E. REFER SERVICING  
PERSONNEL.

X-RAY WARNING: When picture tubes are operated at very high voltage and when exposure is prolonged at close range, special shielding precautions against X-ray radiation may be needed.

PICTURE TUBE EMPLOIE S INTEGRAL IMPLOSION  
CE WITH A TUBE OF THE SAME TYPE NUMBER  
FETY.

NT : CE TUBE CATHODIQUE EMPLOIE UNE PRO-  
ON INTÉGRALE. REMPLACER PAR UN TUBE DU  
POUR LA SÛRETÉ CONTINUE.

D1704 F

# **EXHIBIT 50**



Produced on 9/7/11

**SAMSUNG EXHIBIT B20**

**PLAINTIFF DONNA MARIE ELLINGSON**

**1. CRT PRODUCT:**

- a. e-Machines computer monitor
- b. 25" Sharp television
- c. 27" Sharp television

**2. DATE OF PURCHASE:**

- a. 3/6/04
- b. 11/9/97
- c. 10/18/99

**3. LOCATION of PURCHASE:**

- a. Best Buy – Rapid City, South Dakota
- b. Rex TV & Appliance – Rapid City, SD
- c. Rex TV & Appliance – Rapid City, SD

**4. PERSONS INVOLVED IN PURCHASE:** With respect to the computer monitor purchase: Donna Ellingson (plaintiff) & Russ Penning (plaintiff's friend). With respect to the television purchases: Donna Ellingson (plaintiff).

**5. PRICE:**

- a. \$209.99
- b. \$306.34 (including tax)
- c. \$348.69 (including tax)

**6. TAXES/FEES:** The standard sales tax was applied to all purchases.

**7. BUNDLE:** Neither of the televisions were purchased as part of a bundle or system. The computer monitor was part of a bundle.

**8. WARRANTIES:** Ms. Ellingson received Best Buy Reward Points for her purchase of the e-Machines computer. She does not recall any other specific warranties (other than any standard manufacturers' warranties), servicing plans or agreements, membership rewards, or other benefits received relating to this acquisition. She does not recall if she ever utilized the rewards points. Ms. Ellingson also received a \$100 rebate on the monitor. With respect to the televisions, there were no warranties other than any standard manufacturers' warranties.

**9. PURPOSE of PURCHASE:** Personal use.

See also CRT000075-103 and CRT000525-561.

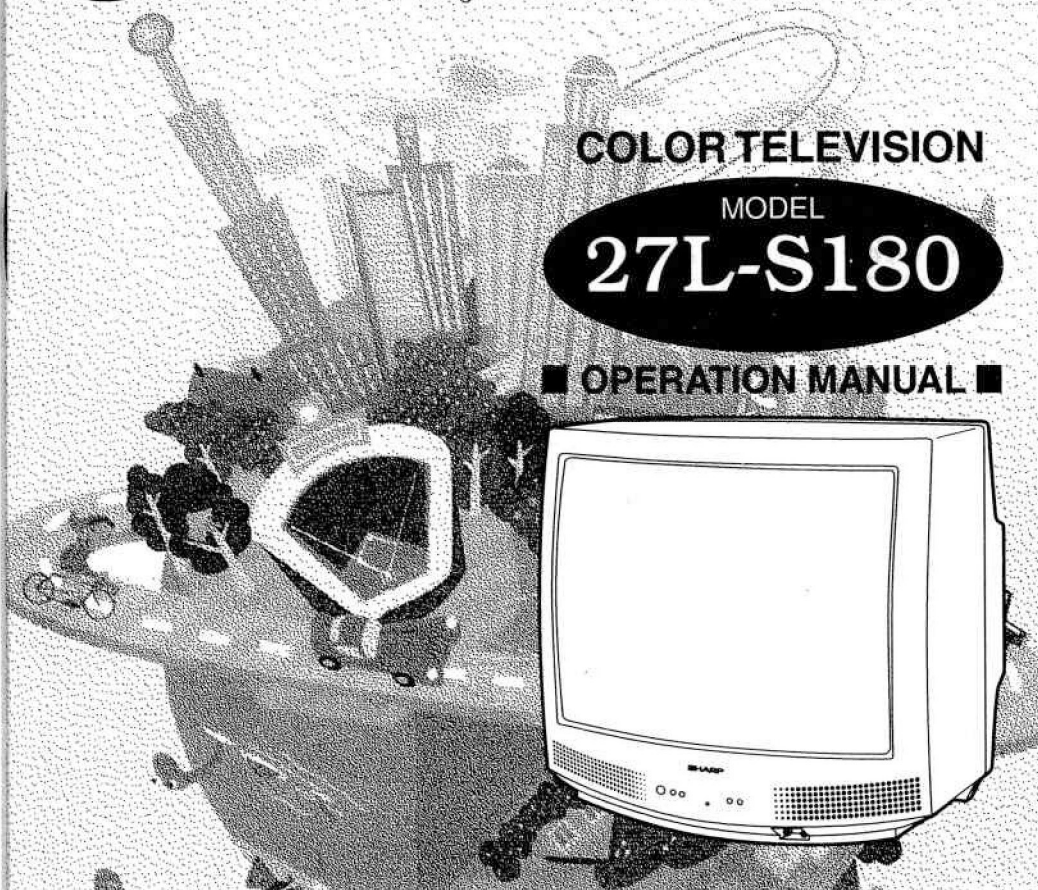


## Search Results

Date	Acct	Num	Payee	Cat	Memo	Clr	Page 1
							Amount
10/18/1999	BHFCU-Visa--Cl...		Rex TV	Electronics	27" Sharp TV	R	-348.69
11/9/1997	BHFCU-Visa--Cl...		Rex TV & Appliance	Electronics	25" Sharp TV	R	-306.34

**SHARP®****COLOR TELEVISION**

MODEL

**27L-S180****■ OPERATION MANUAL ■**

As an ENERGY STAR® Partner, SHARP has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. ENERGY STAR® is a U.S. registered trademark.

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This operating manual includes basic operating instructions in Spanish and French.  
SPANISH is on page 6, 29.  
FRENCH is on page 7.

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**6553 ME**



Welcome to the SHARP Family. We are pleased that you are now the owner of a SHARP Color Television – built for outstanding quality, reliability and performance.

Every SHARP Color Television set is tuned and adjusted for proper color and sound, and has passed through the most stringent quality control tests at the factory. We have prepared this OPERATION MANUAL so that you may adjust the picture and color to your personal viewing preference.

We sincerely hope that you receive the greatest satisfaction and enjoyment from your new SHARP Color Television set for years to come.

Please read these instructions carefully, and keep them handy for your future reference.

#### IMPORTANT

To aid reporting in case of loss or theft, please record the TV's model and serial numbers in the space provided. The numbers are located at the rear of the TV.

Model No.:

Serial No.:

### Important Information

There are two important reasons for prompt warranty registration of your new SHARP television set using the REGISTRATION CARD packed in with the set.

#### FIRST – WARRANTY

This is to assure that you will immediately receive the full consumer benefit of the parts, service and labor warranty applicable to your purchase.

#### SECOND – CONSUMER PRODUCT SAFETY ACT

To assure that you will promptly receive any safety notification on inspection, modification or recall that SHARP may be required to give under the 1972 Consumer Product Safety Act. PLEASE READ CAREFULLY THE IMPORTANT "LIMITED WARRANTY" CLAUSE ON THE LAST PAGE.


#### WHAT IS ENERGY STAR®

TVs and VCRs use energy both when they are on and when they are off. Americans spend more than \$1 billion a year on energy consumed by TVs and VCRs when they are not in use. The new ENERGY STAR® models will reduce that energy "leakage" by up to 75 percent. Ultimately, this will mean more than \$500 million a year in energy savings for consumers.

The energy savings will help reduce the burning of fossil fuels and the related carbon dioxide pollution that contributes to global warming. If every American family replaced their TVs and VCRs with ENERGY STAR® models, it would reduce carbon dioxide emissions by five million tons every year — equivalent to eliminating the pollution from more than one million cars.

By using ENERGY STAR® products, you will save money on your electric bills and use less energy. That makes good economic sense and is good for our environment.

**WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO WET LOCATIONS.

	<p><b>CAUTION</b></p> <p><b>RISK OF ELECTRIC SHOCK</b></p> <p><b>DO NOT OPEN</b></p>	
<p><b>CAUTION:</b> TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>		



The lightning flash with arrowhead within a triangle is intended to tell the user that parts inside the product are at risk of electric shock to persons.



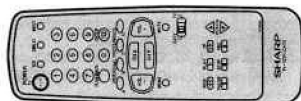
The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.

"Note to CATV system installer: This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electrical Code that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical."

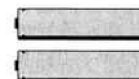
## Important Information (Continued)

**WARNING** - FCC Regulation state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

## Supplied Accessories



Infrared Remote Control  
Part Number : RRMCG1395CESA



Size AA  
Dry Batteries

## Before Operating Your Television

### Location

- For normal operation, your TV should be located in an area of the room where cool adequate ventilation is provided. Do not place the back of the television set in a place where free airflow will be restricted.
- Any magnetic force may disturb the color picture. Make sure that magnets, electric clocks, toys using magnets or any other magnetic substance, such as iron are kept well away from this TV set.

### Power

Your TV operates on 120 Volts, 60 Hertz (normal household current) and has a polarized plug. If you are unable to insert the plug fully into the outlet, try reversing the plug. Should it fail to fit, contact an electrician. Do not defeat the safety feature of the polarized plug.

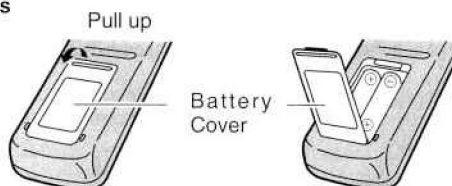
### Note:

- If the set will not be used for a long period, such as during a vacation, unplug the set from the wall outlet to economize power. (If the TV set is plugged in, a slight current still flows, even with the POWER BUTTON in the OFF position.)
- Lines and other noise may appear in TV broadcast images when an FM tuner or radio is located near the TV and both radio and TV broadcasts are being received. Should such noise appear, turn off either the TV or the radio.
- If you are listening to an AM broadcast, turn the TV off. AM broadcast signals may not be received due to the interference of the TV.

### ■ Before using the television, prepare the Remote Control

To use the remote control, insert batteries first.

#### Insert the batteries



- With your thumb nail, pull up the slit as indicated by the arrow to remove the back cover. Insert two batteries (size "AA"). Be sure to match the battery  $\oplus/\ominus$  terminals with the  $\oplus/\ominus$  marks inside the compartment.



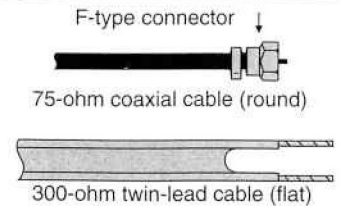
## Antenna Connections

### Antennas

- The antenna requirements for good color television reception are more important than those for black & white television reception. For this reason, a good quality outdoor antenna is strongly recommended.

The following is a brief explanation of the type of connections that are provided with the various antenna systems:

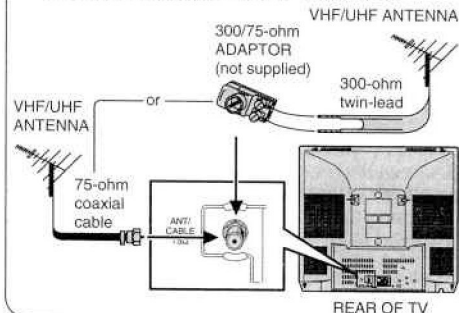
1. A 75 ohm system is generally a round cable with F-type connector that can easily be attached to a terminal without tools (not supplied).
2. A 300 ohm system is a flat "twin-lead" cable that can be attached to a 75 ohm terminal through a 300-75 ohm ADAPTOR (not supplied).



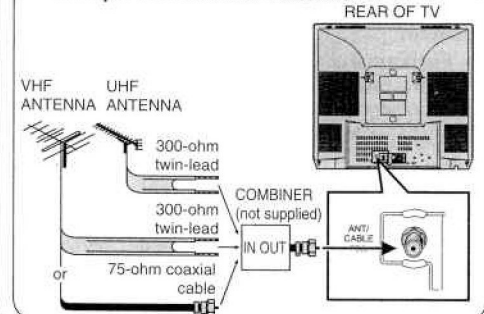
### OUTDOOR ANTENNA CONNECTION

- Use one of the following two diagrams if you connect an outdoor antenna.
- A: Using a VHF/UHF combination outdoor antenna.
- B: Using separate VHF and/or UHF outdoor antenna.
- Connect an outdoor antenna cable lead-in to the COAXIAL CABLE CONNECTOR on the rear of the TV set.

#### A. Combination VHF/UHF Antennas



#### B. Separate VHF/UHF Antenna



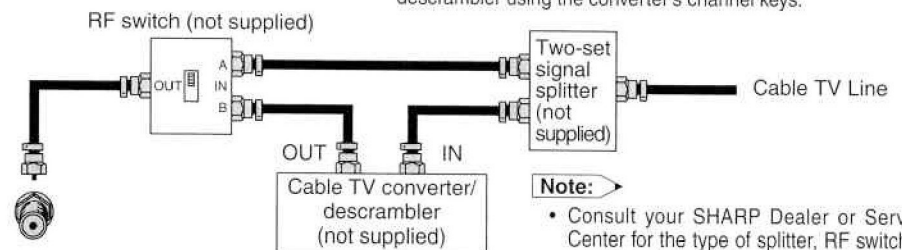
### CABLE TV (CATV) CONNECTION

- A 75 ohm coaxial cable connector is built into the set for easy hookup. When connecting the 75 ohm coaxial cable to the set, screw the 75 ohm cable to the COAXIAL CABLE CONNECTOR.
- Some cable TV companies offer "premium pay channels". Since the signals of these premium pay channels are scrambled, a cable TV converter/descrambler is generally provided to the subscriber by the cable TV company. This converter/descrambler is necessary for normal viewing of the scrambled channels. (Place your TV on channel 3 or 4, typically one of these channels is used. If this is unknown, consult your cable TV company.) For more specific instructions on installing cable TV, consult your cable TV company. One possible method of utilizing the converter/descrambler provided by your cable TV company is explained below.

Please note: RF switch equipped with position A/B (not provided) is required.

"A" position on the RF switch (not supplied) : You can view all unscrambled channels using the TV's channel keys.

"B" position on the RF switch (not supplied) : You can view the scrambled channels via the converter/descrambler using the converter's channel keys.



#### Note:

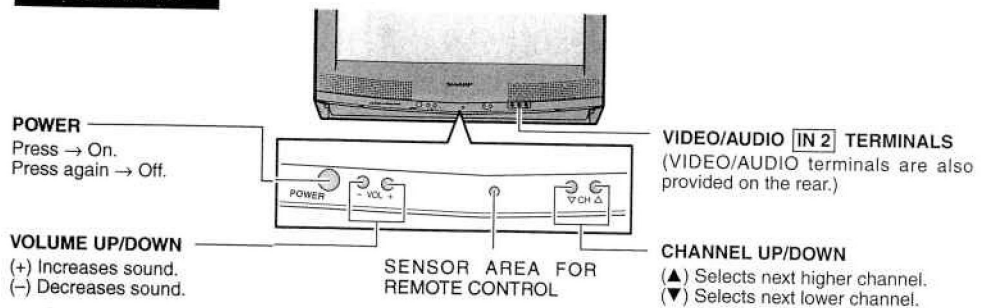
- Consult your SHARP Dealer or Service Center for the type of splitter, RF switch or combiner that might be required.

## Quick Reference Control Operation

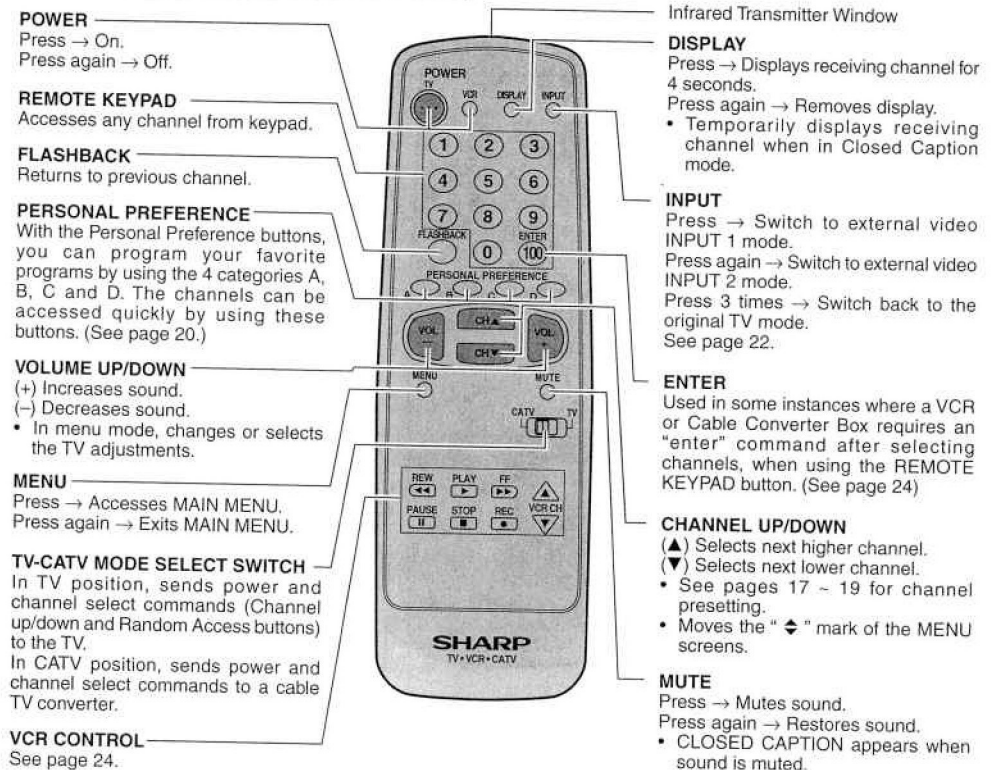
### Location of Controls

(ENGLISH)

#### Front Panel



### Basic Remote Control Functions



#### Note:

- The above shaded buttons on the Remote Control glow in the dark. To use the glow-in-the-dark display on the remote control, place it under a fluorescent light or other lighting.
- The phosphorescent material contains no radioactive or toxic material, so it is safe to use.
- The degree of illumination will vary depending on the strength of lighting used.
- The degree of illumination will decrease with time and depending on the temperature.
- The time needed to charge the phosphorescent display will vary depending on the surrounding lighting.
- Sunlight and fluorescent lighting are the most effective when charging the display.



## Referencia rápida de los controles de operación

### ■ Ubicación de los Controles

(ESPAÑOL)

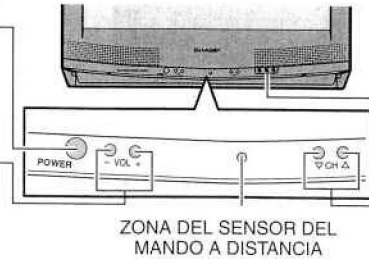
#### Front Delantero

##### ALIMENTACION (POWER)

Pulsando → Enciende (On).  
Pulsando nuevamente → Apaga (Off).

##### AUMENTO/DISMINUCION DEL VOLUMEN (VOL)

(+) Aumenta el sonido.  
(-) Disminuye el sonido.



##### TERMINALES DE ENTRADA VIDEO/AUDIO [IN 2]

(Los terminales VIDEO/AUDIO también se encuentran en la parte posterior)

##### CANAL SUPERIOR/INFERIOR (CH)

(▲) Selecciona el siguiente canal superior.  
(▼) Selecciona el siguiente canal inferior.

### Funciones Basicas Del Control Remoto

##### ALIMENTACION (POWER)

Pulsando → Enciende (On).  
Pulsando nuevamente → Apaga (Off).

##### TECLADO A DISTANCIA (REMOTE KEYPAD)

Para tener acceso a cualquier canal empleando las teclas.

##### RETORNO AL CANAL ANTERIOR (FLASHBACK)

Para volver al canal anterior.

##### PREFERENCIAS PERSONALES

Con los botones Personal Preference puede programar sus programas favoritos utilizando las cuatro categorías A, B, C y D. Puede acceder a los canales rápidamente utilizando estos botones.

##### AUMENTO/DISMINUCION DEL VOLUMEN (VOLUME UP/DOWN)

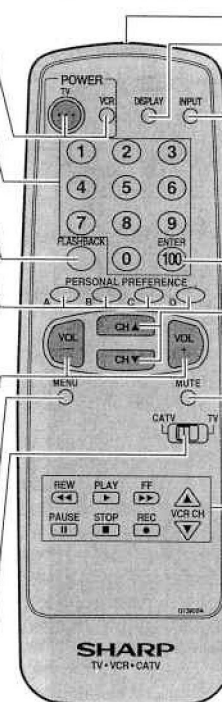
(+) Aumenta el sonido.  
(-) Disminuye el sonido.  
• En modo de MENU cambia o selecciona el ajuste del televisor.

##### PREPARACION (MENU)

Pulsando → Accede al MENU PRINCIPAL.  
Pulsando nuevamente → Sale del MENU PRINCIPAL.

##### CONMUTADOR SELECTOR DE TELEVISOR/TV POR CABLE (TV-CATV)

En la posición TV, el mando envía los comandos de alimentación y selección de canales (botones de canal superior/inferior y de acceso aleatorio) a un televisor. En la posición CATV, envía los comandos de alimentación y selección de canales a un convertidor de TV por cable.



Ventanilla del transmisor de infrarrojos

##### VISUALIZACION (DISPLAY)

Pulsando → Aparece el canal de recepción por 4 segundos.  
Pulsando nuevamente → Elimina la visualización.  
• En el modo de "Closed Caption" se muestra el canal de recepción por un corto tiempo.

##### ENTRADA (INPUT)

Pulsando → Cambia al modo de entrada 1 del video externo.  
Pulsando nuevamente → Cambia al modo de entrada 2 del video externo.  
Pulsando 3 veces → Vuelve al modo TV original.

##### INTRODUCIR (ENTER)

Se utiliza en algunos casos en los cuales un VCR o una Caja de Inversor de Cable requiere una orden "enter" después de seleccionar los canales, al usar el teclado a distancia.

##### CANAL SUPERIOR/INFERIOR (CHANNEL UP/DOWN)

(▲) Selecciona el siguiente canal superior.  
(▼) Selecciona el siguiente canal inferior.  
• En el modo de MENU, mueve la marca "H".

##### SILENCIAMIENTO (MUTE)

Pulsando → Silencia el sonido.  
Pulsando nuevamente → Restaura el sonido.  
• CLOSED CAPTION aparece automáticamente cuando el sonido es silenciado. Siempre y cuando la transmisión tenga esta señal.

##### CONTROLES DEL VIDEO

#### Nota:

- Los botones que arriba pueden verse sombreados en el Control Remoto lucen en la oscuridad. Para usar el visor del control remoto que luce en la oscuridad, colocarlo bajo una luz fluorescente u otra fuente luminosa.
- El material fosforescente no contiene elementos radiactivos ni tóxicos, de modo que su uso no representa ningún peligro.
- El grado de iluminación variará de acuerdo con la potencia de la luz utilizada.
- El grado de iluminación irá decayendo con el tiempo y dependiendo de la temperatura.
- El tiempo necesario para cargar el visor fosforescente variará de acuerdo con la iluminación circundante.
- La luz del sol y la luz fluorescente son las más eficaces para la carga del visor.

## Référence rapide sur les commandes

### ■ Emplacement des touches

(FRANÇAIS)

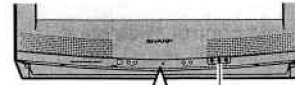
#### Panneau avant

##### ALIMENTATION (POWER)

Appuyer pour mettre sous tension.  
Appuyer de nouveau pour mettre hors tension.

##### AUGMENTATION/ RÉDUCTION DU VOLUME SONORE (VOL)

(+) Pour augmenter le volume du son.  
(-) Pour diminuer le volume du son.



##### PRISES D'ENTRÉE VIDÉO/ AUDIO IN 2

(Les prises VIDÉO/AUDIO sont également reprises à l'arrière.)

##### TOUCHES DES CANAUX CROISSANT/DÉCROISSANT (CH)

(▲) Sélectionne le canal supérieur suivant.  
(▼) Sélectionne le canal inférieur précédent.

ZONE DE DETECTION  
DU CAPTEUR

### Fonctions de base de la télécommande

##### ALIMENTATION (POWER)

Appuyer pour mettre sous tension.  
Appuyer de nouveau pour mettre hors tension.

##### PAVÉ NUMÉRIQUE DE COMMANDE A DISTANCE (REMOTE KEYPAD)

Sélectionne directement le canal voulu sur le pavé numérique.

##### RETOUR (FLASHBACK)

Rappelle dernier le canal regardé.

##### PRÉFÉRENCES PERSONNELLES

Grâce aux touches de préférence personnelle, vous pouvez programmer vos programmes préférés à l'aide des 4 catégories: A, B, C et D. Ces touches vous permettent d'accéder rapidement à ces canaux.

##### AUGMENTATION/RÉDUCTION DU VOLUME SONORE (VOLUME UP/ DOWN)

(+) Pour augmenter le volume du son.  
(-) Pour diminuer le volume du son.  
• Pour changer ou sélectionner les réglages du téléviseur en mode menu.

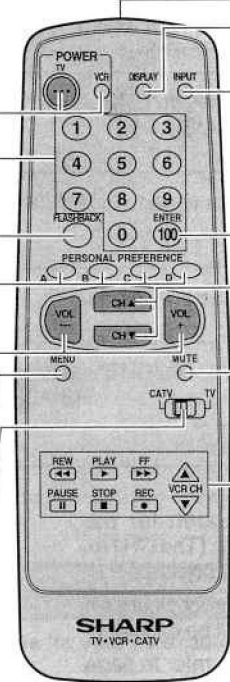
##### RÉGLAGE (MENU)

Appuyer → Accès au MENU PRINCIPAL.  
Appuyer de nouveau → Sortie du MENU PRINCIPAL.

##### SÉLECTEUR DE MODE TÉLÉVISION/ CÂBLOVISION (TV-CATV)

En position télévision (TV), permet de mettre le téléviseur sous/hors tension et de sélectionner ses canaux (touches de canaux en ordre croissant/décroissant et d'accès direct).

En position câblovision (CATV), permet de mettre un convertisseur de téléviseur par câble sous/hors tension et de sélectionner ses canaux.



Fenêtre d'émission du signal infrarouge

##### AFFICHAGE (DISPLAY)

Appuyer pour afficher le canal reçu pendant 4 secondes.  
Appuyer de nouveau pour faire disparaître le canal.

• Pour afficher temporairement le canal reçu en mode sous-titrage.

##### ENTRÉE (INPUT)

Appuyer pour sélectionner le mode ENTRÉE 1 vidéo externe.  
Appuyer de nouveau pour sélectionner le mode ENTRÉE 2 vidéo externe.  
Appuyer 3 fois pour revenir au mode TV initial.

##### ENTRER (ENTER)

Parfois utilisée lorsqu'un magnétoscope ou un convertisseur nécessite l'introduction d'une commande "enter" après la sélection de canaux à l'aide du pavé numérique de commande à distance.

##### TOUCHES DES CANAUX CROISSANT/ DÉCROISSANT (CHANNEL UP/DOWN)

(▲) Sélectionne le canal supérieur suivant.  
(▼) Sélectionne le canal inférieur précédent.

• Déplace le curseur "◆" sur l'écran du MENU.

##### SOUDINE (MUTE)

Appuyer → Mise en sourdine du son.  
Appuyer de nouveau → Rétablissement du son.  
• CLOSED CAPTION apparaît lorsque le son est mis en sourdine.

##### COMMANDE DU MAGNÉTOSCOPE

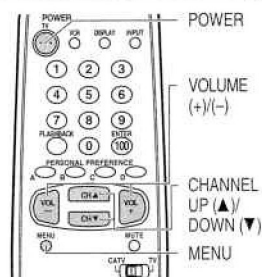
#### Remarque:

- Les boutons ombrés de la télécommande illustrés ci-dessus brillent dans l'obscurité lorsque la télécommande a été placée sous une ampoule fluorescente ou toute autre source lumineuse.
- Le matériau phosphorescent n'est absolument pas toxique ou radioactif. Il peut donc être utilisé en toute sécurité.
- Le degré d'illumination variera en fonction de l'intensité de la source d'éclairage.
- Le degré d'illumination diminuera avec le temps, en fonction de la température.
- Le temps requis pour charger les touches phosphorescentes dépendra de l'éclairage environnant.
- Les rayons directs du soleil et les luminaires fluorescents constituent les meilleures sources de chargement des touches phosphorescentes.

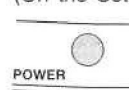


## EZ SETUP during First Power On

- When you turn on the TV for the first time, it will automatically memorize the broadcasting channels.  
Please perform the following instructions before you press the power button.
- (1) Insert the batteries into the remote control. (See page 3)
  - (2) Connect the antenna cable to the TV set. (See page 4)
  - (3) Plug in the AC POWER cord to the wall outlet.



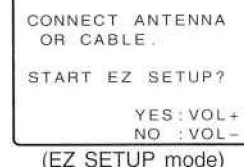
- 1** Press the **POWER** button on the TV set or on the Remote Control to turn on the TV. The SELECT LANGUAGE mode will be displayed.



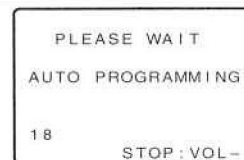
- 2** Press **CH UP (▲)** or **DOWN (▼)** to select "ENGLISH", "SPANISH (ESPAÑOL)" or "FRENCH (FRANÇAIS)".



- 3** Press **VOL (+)** or **(-)** to access EZ SETUP mode.



- 4** Press **VOL (+)**.  
The tuner will automatically search for the broadcasting and cable TV channels. (The CH No. will automatically increase when it appears.)  
If you want to stop the EZ SETUP process once it has started, press **VOL (-)** and it will be canceled.  
If you want to SETUP again, please refer to page 16 on SETUP.



**To cancel EZ SETUP**  
Press **VOL (-)**.

- 5** Once EZ SETUP is completed, the smallest channel number memorized will be displayed.

2

**Note:**

- If EZ SETUP does not memorize all the channels in your region, please refer to page 17 for more information on manual memorizing the channels using CHANNEL SETTING.
- It may be difficult to PRESET when the broadcasting signals are weak, the channel cycle frequency is incorrect or the frequency jamming is occurring around the area. Please refer to pages 17 ~ 19 for more information on manual memorizing the channels using CHANNEL SETTING.

## Language

- The language for the ON SCREEN DISPLAY can be set to ENGLISH, SPANISH or FRENCH.
- Setting the ON SCREEN DISPLAY Language.

1 Press **MENU** to access MAIN MENU screen.



◆ SLEEP TIMER  
VIDEO ADJUST  
AUDIO SELECT  
CLOSED CAPTION  
PARENT CONTROL  
ENERGY SAVE  
SET UP

(MAIN MENU screen)

2 Press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "SET UP".



SLEEP TIMER  
VIDEO ADJUST  
AUDIO SELECT  
CLOSED CAPTION  
PARENT CONTROL  
ENERGY SAVE  
◆ SET UP

3 Press **VOL (+)** or **(-)** to access SET UP mode, then press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "LANGUAGE".



BLUE SCREEN  
PERSONAL PREF.  
UNIVERSAL PLUS  
◆ LANGUAGE  
CH SETTING

(SET UP mode)

4 Press **VOL (+)** or **(-)** to access LANGUAGE change mode.



LANGUAGE  
◆ ENGLISH  
ESPAÑOL  
FRANÇAIS

(LANGUAGE change mode)

5 Press **CH UP (▲)** or **DOWN (▼)** to select "ENGLISH", "SPANISH (ESPAÑOL)" or "FRENCH (FRANÇAIS)".



IDIOMA  
| ENGLISH  
◆ ESPAÑOL  
| FRANÇAIS

6 Press **MENU** to exit.

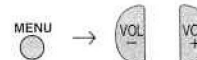


## Sleep Timer

- You can set the number of minutes for your TV to automatically turn off.

1 Press **MENU** to access MAIN MENU screen.

2 Press **VOL (+)** or **(-)** to access TIMER SET mode.



◆ SLEEP TIMER  
VIDEO ADJUST  
AUDIO SELECT  
CLOSED CAPTION  
PARENT CONTROL  
ENERGY SAVE  
SET UP

(MAIN MENU screen)

3 Press **VOL (+)** or **(-)** to set a sleep time of 30, 60, 90 or 120 minutes.

4 Press **MENU** to exit.



SLEEP TIMER  
120 REMAIN

(TIMER SET mode)

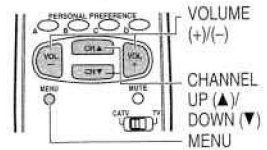
### Note:

- To turn off the Sleep Timer, repeat the above SLEEP TIMER steps and select "--- REMAIN" during step 3.

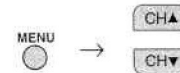
## Video Adjust

### Description of Adjustment Items

Selected item	VOL UP (+) button	VOL DOWN (-) button
PICTURE	To increase contrast	To decrease contrast
TINT	To make skin tones greenish	To make skin tones purplish
COLOR	To increase color intensity	To decrease color intensity
BRIGHT	To increase brightness	To decrease brightness
SHARP	To increase sharpness	To decrease sharpness
FAVORITE COLOR	To choose a RED, BLUE or STANDARD COLOR TONE.	
RESET	To return all adjustments to factory preset levels.	



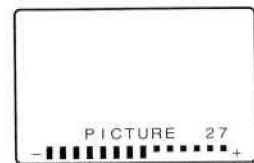
- 1 Press **MENU** to access MAIN MENU screen.
- 2 Press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "VIDEO ADJUST".



SLEEP TIMER  
◆ VIDEO ADJUST  
AUDIO SELECT  
CLOSED CAPTION  
PARENT CONTROL  
ENERGY SAVE  
SET UP

(MAIN MENU screen)

- 3 Press **VOL (+)** or **(-)** to access PICTURE adjust mode.

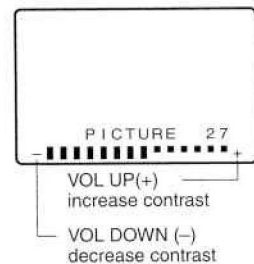


(PICTURE adjust mode)

- 4 Press **CH UP (▲)** or **DOWN (▼)** to select the desired mode.  
(Refer to the diagram below.)



- 5 Press **VOL (+)** or **(-)** to adjust the setting.



- 6 Repeat steps 4 to 5 to adjust other settings.

- 7 Press **MENU** to exit.





## Audio Select

### ■ MTS (MULTICHANNEL TV SOUND)

This circuit allows reception of stereo or bilingual TV sound.

### ■ INTERNAL SPEAKER SWITCH

This function turns the TV's internal speakers "ON" or "OFF" when listening to sound from external speakers by using the AUDIO OUTPUT JACKS on page 23.

1 Press **MENU** to access MAIN MENU screen.

2 Press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "AUDIO SELECT".



3 Press **VOL (+)** or **(-)** to access AUDIO SELECT mode.



4 Press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "MTS", or "SPEAKER".



5 Press **VOL (+)** or **(-)** to change the AUDIO SELECT setting.



6 Press **MENU** to exit.

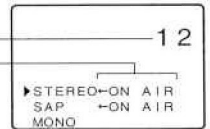


Ex:

Actual screen indicating ON AIR when receiving STEREO broadcasts.

Actual channel number \_\_\_\_\_

"← ON AIR" will appear next to STEREO or SAP when receiving STEREO or SAP broadcasts.



(Channel call on screen)

### ■ You can enjoy Hi-Fi stereo sound or SAP broadcasts where available.

- Stereo broadcasts  
Live television transmission of sports, shows, concerts, etc. can be received in dynamic stereo sound.
- SAP broadcasts  
Television broadcast can be received with either MAIN or SAP sound.  
MAIN sound: The normal program soundtrack. (Monaural or stereo where available.)  
SAP sound: Second language, supplementary commentaries, etc. (SAP sound is monaural.)

### ■ If stereo sound is difficult to hear.

- You can obtain clearer sound by manually switching to fixed monaural mode.

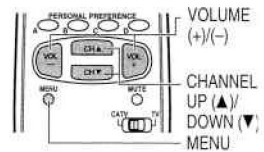
#### Note:

- Once MONO mode is selected, the TV sound remains monaural even if the TV set receives a stereo broadcast. You must switch the mode back to STEREO if you want to hear stereo sound again.
- Selecting MTS while in the INPUT mode does not change the type of sound; in this case, sound is determined by the video source.

## Closed Caption

### ■ HOW TO SET CLOSED CAPTION

- Your TV is equipped with an internal Closed Caption decoder. "Closed Caption" is a system which allows you to view conversations, narration, and sound effects in TV programs and home videos as subscript on your TV screen as shown on the right.
- Not all the programs and videos will offer closed caption. Please look for the "CC" symbol to ensure that captions will be shown.
- Closed Caption broadcast can be viewed in two modes: CAPTION and TEXT. For each mode, two channels are available, CH1 and CH2: The [CAPTION] mode subscripts dialogues and commentaries of TV dramas and news programs while allowing clear view of the picture. The [TEXT] mode displays over the picture other various information (such as TV program schedule, weather forecast, etc.) that is independent of the TV programs.



- Press **MENU** to access MAIN MENU screen.
- Press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "CLOSED CAPTION".



SLEEP TIMER  
VIDEO ADJUST  
AUDIO SELECT  
◆CLOSED CAPTION  
PARENT CONTROL  
ENERGY SAVE  
SET UP

(MAIN MENU screen)

- Press **VOL (+)** or **(-)** to access CLOSED CAPTION setting mode.



CLOSED CAPTION  
◆MODE : CAPTION  
DATA : CH 1

(CLOSED CAPTION setting mode)

- Press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to either "MODE" or "DATA".



CLOSED CAPTION  
MODE : CAPTION  
◆DATA : CH 1

- Press **VOL (+)** or **(-)** to change the CLOSED CAPTION setting.

MODE : CAPTION  
TEXT  
OFF  
DATA : CH 1  
CH 2



CLOSED CAPTION  
◆MODE : CAPTION  
DATA : CH 1

- Press **MENU** to exit.



#### Note:

- If a broadcast has CLOSED CAPTION and the **MUTE** button is pressed, the set enters [CAPTION] mode automatically. Pressing **MUTE** again will return the set to its previous condition.
- Closed Caption may malfunction (white blocks, strange characters, etc.) if signal conditions are poor or if there are problems at the broadcast source. This does not necessarily indicate a problem with your set.
- If any button is pressed to call up the ON SCREEN DISPLAY while viewing a CLOSED CAPTION broadcast, the closed captions will disappear momentarily.
- When viewing in TEXT mode, if no TEXT broadcast is being received, for some programs the screen may become dark and blank. Should this occur, set the Closed Caption mode to "OFF".

## Parent Control

### ■ VIEW TIMER

This function allows you to restrict TV viewing time and also allows you to control TV usage. This function is to prevent your children from watching too much TV.

**VIEWING TIME** (an accumulative timer: counts only the time duration acquired while the TV is on.)

- VIEWING TIME can be set from 30M (30 minutes) to 10H00M (10 hours) in 30 minutes intervals.

**OFF TIME** (Restricts TV watching after the VIEWING TIME reaches zero.)

- OFF TIME can be set from 30M (30 minutes) to 10H00M (10 hours) in 30 minutes intervals.

**STATUS** (ON/OFF setting of VIEW TIMER)

VIEW TIMER

◆VIEWING TIME

--H --M

OFF TIME

--H --M

STATUS: OFF

### ■ How to set VIEW TIMER.

- 1 Press **MENU** to access MAIN MENU screen.

- 2 Press **CH UP** (▲) or **DOWN** (▼) to move the "◆" mark to "PARENT CONTROL".



SLEEP TIMER  
VIDEO ADJUST  
AUDIO SELECT  
CLOSED CAPTION  
◆PARENT CONTROL  
ENERGY SAVE  
SET UP

(MAIN MENU screen)

- 3 Press **VOL (+)** or **(-)** to access "PARENT CONTROL VIEW TIMER".



PARENT CONTROL  
VIEW TIMER

- 4 Press **VOL (+)** or **(-)** to access "VIEW TIMER".



VIEW TIMER

◆VIEWING TIME

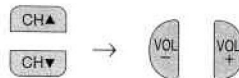
--H --M

OFF TIME

--H --M

STATUS : OFF

- 5 Press **CH UP** (▲) or **DOWN** (▼) to select "VIEWING TIME" and "OFF TIME". For each selection, press the **VOL (+)** or **(-)** to set the time duration.



VIEW TIMER

VIEWING TIME

2H 00M

◆OFF TIME

--H --M

STATUS: OFF

- 6 Press **CH UP** (▲) or **DOWN** (▼) to select "STATUS". Press the **VOL (+)** or **(-)** to turn ON the "VIEWING TIMER". (If STATUS is OFF, VIEW TIMER is not operated)



VIEW TIMER

VIEWING TIME

2H 00M

OFF TIME

5H 00M

◆STATUS: ON

- 7 Press **MENU**. "INPUT SECRET No." will be displayed.



INPUT SECRET No.

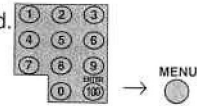
— — — —



## Parent Control (Continued)

**8** Enter the 4-digit SECRET No. using the **REMOTE KEYPAD**.

**9** Press **MENU**, and SECRET No. is registered.



INPUT SECRET No.  
1 2 3 0

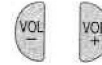
### Example

- To restrict anybody from watching the TV for 5 hours, after watching the TV for 2 hours, your settings would look like this:
- They can choose to watch the 2 hours of TV however they wish. For example, they could watch 1 hour of TV, turn TV off for 30 minutes, then turn TV on and watch the remaining 1 hour on the VIEWING TIMER.

VIEW TIMER  
VIEWING TIME  
2H 00M  
OFF TIME  
5H 00M  
STATUS: ON

### ■ To change the VIEW TIMER settings. (SECRET No. is registered)

**1** Repeat "How to set VIEW TIMER" steps and select "PARENT CONTROL VIEW TIMER" during step 3. Press **VOL (+)** or **(-)**, and "INPUT SECRET No." will be displayed.



INPUT SECRET No.  
- - - -

**2** Enter the 4-digit SECRET No. using the **REMOTE KEYPAD**, and the VIEW TIMER access screen will be displayed. Repeat step 5 ~ 6.



INPUT SECRET No.  
\* \* \* \*

### Note:

- When you choose the correct SECRET No., the VIEW TIMER access screen is displayed. If the wrong SECRET No. is chosen, "SECRET No. IS INCORRECT" is displayed. Input the SECRET No. again in this case.

SECRET No. IS  
INCORRECT

### ■ To cancel the VIEW TIMER (While the TV set is OFF but the VIEW TIMER is set)

**1** Turn on TV; a blue screen message "TIME OVER" will appear. If you do nothing, the TV will turn off in approximately 30 seconds.

TIME OVER  
INPUT SECRET No.  
- - - -

**2** Enter the 4-digit SECRET No. using the **REMOTE KEYPAD**. When you choose the correct SECRET No., the VIEW TIMER is canceled. If the wrong SECRET No. is chosen, "SECRET No. IS INCORRECT" is displayed. Input the SECRET No. again in this case.



TIME OVER  
INPUT SECRET No.  
\* \* \* \*

### ■ To cancel the VIEW TIMER setting or change the SECRET No. (When you forget the SECRET No.)

**1** Repeat "How to set VIEW TIMER" steps and select "PARENT CONTROL VIEW TIMER" during step 3. Press **VOL (+)** or **(-)**, and "INPUT SECRET No." will be displayed.



INPUT SECRET No.  
- - - -



## Parent Control (Continued)

- 2 Press and hold both **CH UP (▲)** and **DOWN (▼)** on the TV set simultaneously until the VIEW TIMER access screen is displayed. Now you can cancel the VIEW TIMER settings or can change the SECRET No. while "INPUT SECRET No." is displayed.

(On the Set)



CHANNEL UP (▲)/DOWN (▼)

### Notice of Remaining VIEWING TIME

- For every 30 minute interval, the "remaining time" will be displayed for 4 seconds. For the last 5 minutes, the "remaining time" will be displayed every minute.
- "0 REMAIN" will be displayed for 10 seconds just before the VIEWING TIME is completed.

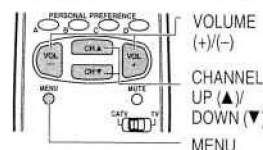
VIEWING TIME  
0H 30M REMAIN

VIEWING TIME  
0H 05M REMAIN

VIEWING TIME  
0 REMAIN

## Energy Save

- This feature lets you lower the power consumption of your TV set which in turn saves you money and minimizes the impact on the environment. When this feature is turned on, it reduces the brightness of the TV to a level that consumes approximately 20% less energy than when the feature is turned off. The reduction in brightness will be less noticeable under low room lighting conditions.

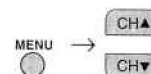


VOLUME  
(+)(-)

CHANNEL  
UP (▲)/  
DOWN (▼)

MENU

- Press **MENU** to access MAIN MENU screen.
- Press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "ENERGY SAVE".



SLEEP TIMER  
VIDEO ADJUST  
AUDIO SELECT  
CLOSED CAPTION  
PARENT CONTROL  
◆ ENERGY SAVE  
SET UP

(MAIN MENU screen)

- Press **VOL (+)** or **(-)** to access ENERGY SAVE select mode.



ENERGY SAVE  
: OFF

(ENERGY SAVE select mode)

- Press **VOL (+)** or **(-)** to select "ON".



ENERGY SAVE  
: ON

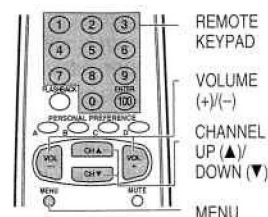
- Press **MENU** to exit.



## Set Up

### ■ EZ SETUP

By operating the channel presetting functions, you can preset your TV to the desired channels for viewing.



1 Press **MENU** to access MAIN MENU screen.

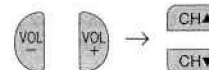
2 Press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "SET UP".



SLEEP TIMER  
VIDEO ADJUST  
AUDIO SELECT  
CLOSED CAPTION  
PARENT CONTROL  
ENERGY SAVE  
◆SET UP

(MAIN MENU screen)

3 Press **VOL (+)** or **(-)** to access SET UP mode, then press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "CH SETTING".



BLUE SCREEN  
PERSONAL PREF.  
UNIVERSAL PLUS  
LANGUAGE  
◆CH SETTING

(SET UP mode)

4 Press **VOL (+)** or **(-)** to access CH SETTING mode.



◆EZ SETUP  
AIR/CABLE  
CH SEARCH  
CH MEMORY

(CH SETTING mode)

5 Press **VOL (+)** or **(-)** to access EZ SETUP mode.



CONNECT ANTENNA  
OR CABLE.

START EZ SETUP?

YES : VOL+  
NO : VOL-

(EZ SETUP mode)

6 Press **VOL (+)**.

The tuner will automatically search for the broadcasting and cable TV channels. (The CH No. will automatically increase when it appears.)

If you want to stop the EZ SETUP process once it has started, press **VOL (-)**. Search will be canceled.

**To cancel EZ SETUP**

Press **VOL (-)**.



PLEASE WAIT  
AUTO PROGRAMMING

18

STOP : VOL-

7 Once EZ SETUP is completed, the smallest channel number memorized will be displayed.

2

## Set Up (Continued)

### ■ CHANNEL SETTING

If EZ SETUP does not memorize all the channels in your region, follow the instructions below to manually memorize the channel.

1 Press **MENU** to access MAIN MENU screen.

2 Press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "SET UP".

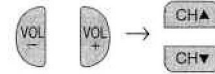


SLEEP TIMER  
VIDEO ADJUST  
AUDIO SELECT  
CLOSED CAPTION  
PARENT CONTROL  
ENERGY SAVE  
◆SET UP

(MAIN MENU screen)

3 Press **VOL (+)** or **(-)** to access SET UP mode.

4 Press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "CH SETTING".



BLUE SCREEN  
PERSONAL PREF.  
UNIVERSAL PLUS  
LANGUAGE  
◆CH SETTING

(SET UP mode)

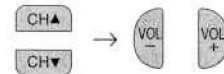
5 Press **VOL (+)** or **(-)** to access CH SETTING mode.



◆EZ SETUP  
AIR/CABLE  
CH SEARCH  
CH MEMORY

(CH SETTING mode)

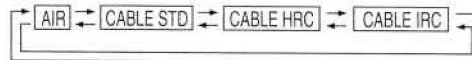
6 Press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to the "AIR/CABLE", then press **VOL (+)** or **(-)** to access AIR/CABLE mode.



EZ SETUP  
◆AIR/CABLE  
CH SEARCH  
CH MEMORY

(CH SETTING mode)

7 Press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to the desired mode.



AIR/CABLE

AIR  
CABLE STD  
◆CABLE HRC  
CABLE IRC

(AIR/CABLE mode)

8 Press **MENU** to exit.



#### Note:

- Receivable channels of your TV set are:  
AIR channels:  
VHF: 2 through 13.  
UHF: 14 through 69.

#### CABLE channels:

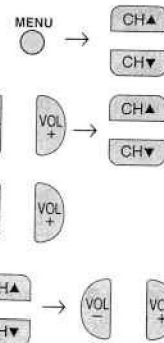
- 1 (HRC and IRC mode only)
- 2 through 125 (STD, HRC and IRC)



## Set Up (Continued)

### ■ Saving broadcast TV channels into memory.

- 1.1 Press **MENU** to access MAIN MENU screen, then press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "SET UP".
- 1.2 Press **VOL (+)** or **(-)** to access SET UP mode, then press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "CH SETTING".
- 1.3 Press **VOL (+)** or **(-)** to access CH SETTING screen.
- 1.4 Press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "CH SEARCH", then press **VOL (+)** or **(-)** to access CH SEARCH mode.



EZ SETUP  
AIR / CABLE  
◆ CH SEARCH  
CH MEMORY

(CH SETTING mode)

### START

- 2.1 Press **VOL (+)**. The tuner will search through all available channels in your area and add them into the TV's memory.

(START)

### STOP

- 2.2 Press **VOL (-)**. CH SEARCH will stop at the current channel and will not add any higher channels.

(STOP)

- 2.3 Press **MENU** to exit.



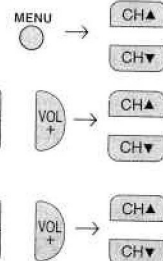
CH SEARCH  
AIR 12

START : +  
STOP : -

(CH SEARCH screen)

### ■ Adding weak or additional channels or erasing unwanted channels from TV memory.

- 1.1 Press **MENU** to access MAIN MENU screen, then press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "SET UP".
- 1.2 Press **VOL (+)** or **(-)** to access SET UP mode, then press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "CH SETTING".
- 1.3 Press **VOL (+)** or **(-)** to access CH SETTING mode, then press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "CH MEMORY".



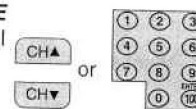
EZ SETUP  
AIR / CABLE  
CH SEARCH  
◆ CH MEMORY

(CH SETTING mode)

- 2.1 Press **VOL (+)** or **(-)** to access CH MEMORY.



- 2.2 Use **CH UP (▲)** or **DOWN (▼)** or **REMOTE KEYPAD** to select each desired channel to add or erase.

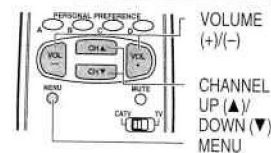
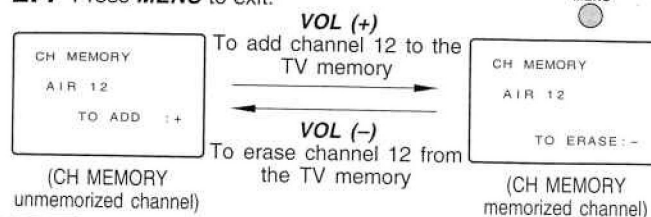


- 2.3 Press **VOL (+)** to add a channel to the TV's memory or press **VOL (-)** to erase a channel from the TV's memory.



## Set Up (Continued)

2.4 Press **MENU** to exit.



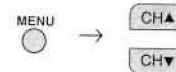
**Note:**

- If you press **VOL (+)** again while in the CH SEARCH mode, auto-program will start again, and the previously memorized channels will be lost.

### ■ BLUE SCREEN

Automatically turns the screen blue if a broadcast signal is not received.

- Press **MENU** to access MAIN MENU screen.
- Press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "SET UP".



SLEEP TIMER  
VIDEO ADJUST  
AUDIO SELECT  
CLOSED CAPTION  
PARENT CONTROL  
ENERGY SAVE  
◆SET UP

(MAIN MENU screen)

- Press **VOL (+)** or **(-)** to access SET UP mode.



◆BLUE SCREEN  
PERSONAL PREF.  
UNIVERSAL PLUS  
LANGUAGE  
CH SETTING

(SET UP mode)

- Press **VOL (+)** or **(-)** to access BLUE SCREEN select mode.



BLUE SCREEN  
: OFF

(BLUE SCREEN select mode)

- Press **VOL (+)** or **(-)** to select "ON".



BLUE SCREEN  
: ON

- Press **MENU** to exit.



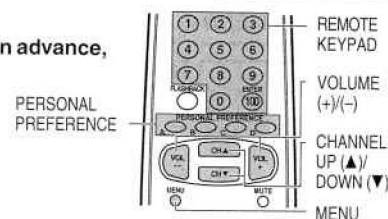
**Note:**

- Poor reception due to weak signals, or too much noise might activate the BLUE SCREEN function despite the presence of a broadcast signal. To continue watching TV under these conditions, switch the BLUE SCREEN "OFF".
- While VCR input mode is selected, the BLUE SCREEN will not be shown on your TV even if the BLUE SCREEN is turned on.

## Set Up (Continued)

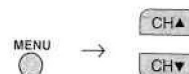
### ■ PERSONAL PREFERENCE

By setting the PERSONAL PREFERENCE channels in advance, you can select your favorite channels easily.



1 Press **MENU** to access MAIN MENU screen.

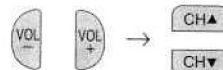
2 Press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "SET UP".



SLEEP TIMER  
VIDEO ADJUST  
AUDIO SELECT  
CLOSED CAPTION  
PARENT CONTROL  
ENERGY SAVE  
◆ SET UP

(MAIN MENU screen)

3 Press **VOL (+)** or **(-)** to access SET UP mode, then press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "PERSONAL PREFERENCE".



BLUE SCREEN  
◆ PERSONAL PREF.  
UNIVERSAL PLUS  
LANGUAGE  
CH SETTING

(PERSONAL PREFERENCE select mode)

4 Press **VOL (+)** or **(-)** to select PERSONAL PREFERENCE in which you can program 4 favorite channels, in 4 different categories. (total of 16 channels)



PERSONAL PREF.

<A>	B	C	D
◆			

5 Press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to the desired position.



PERSONAL PREF.

<A>	B	C	D
◆			

6 Press **REMOTE KEYPAD** on the Remote to input the CHANNEL Number into the memory.

**Example:**

125 — Press "100" followed by "2" and then "5".



PERSONAL PREF.

<A>	B	C	D
◆ 125			

7 Repeat steps 4 to 6 to input the next CHANNEL Number.

8 Press **MENU** to exit.



### ■ To select the PERSONAL PREFERENCE channel.

If the channels are memorized as shown to the right, press the Remote's "A" button to select the Channels below.

→ 125 → 25 → 40 → 4

PERSONAL PREF.

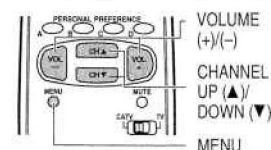
<A>	B	C	D
◆ 125	85	38	
25	123	30	
40	55		
4			



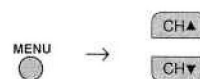
## Set Up (Continued)

### ■ UNIVERSAL PLUS FUNCTION

VCR input mode will be selected automatically by pressing VCR PLAY button on UNIVERSAL REMOTE CONTROL.



- 1 Press **MENU** to access MAIN MENU screen.
- 2 Press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "SET UP".



SLEEP TIMER  
VIDEO ADJUST  
AUDIO SELECT  
CLOSED CAPTION  
PARENT CONTROL  
ENERGY SAVE  
◆ SET UP

(MAIN MENU screen)

- 3 Press **VOL (+)** or **(-)** to access SET UP mode.



◆ BLUE SCREEN  
PERSONAL PREF.  
UNIVERSAL PLUS  
LANGUAGE  
CH SETTING

(SET UP mode)

- 4 Press **CH UP (▲)** or **DOWN (▼)** to move the "◆" mark to "UNIVERSAL PLUS".



BLUE SCREEN  
PERSONAL PREF.  
◆ UNIVERSAL PLUS  
LANGUAGE  
CH SETTING

- 5 Press **VOL (+)** or **(-)** to access UNIVERSAL PLUS select mode.



UNIVERSAL PLUS  
VCR: ◆ CH 3  
CH 4  
INPUT 1  
INPUT 2  
OFF

(UNIVERSAL PLUS select mode)

- 6 Press **CH UP (▲)** or **DOWN (▼)** to select the "CH3, CH4", "INPUT 1", "INPUT 2" or "OFF".  
Set model to the input in which your VCR is connected to. If done through RF, select either channel 3 or 4 to match the setting of the VCR.



UNIVERSAL PLUS  
VCR: CH 3  
CH 4  
◆ INPUT 1  
INPUT 2  
OFF

- 7 Press **MENU** to exit.





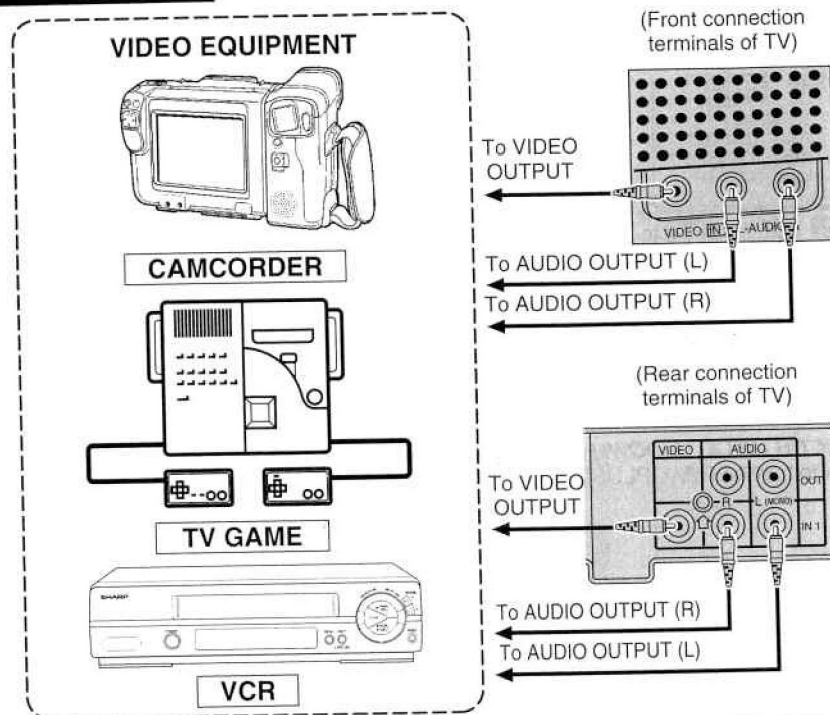
## Using the Video and Audio Input Jacks

### ■ Connecting video equipment for playback of video material.

- When the television is connected to video equipment as shown below, the material being played back on the video equipment can be seen on the television screen.

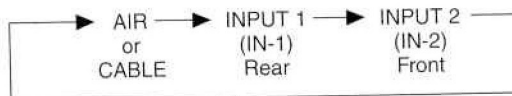
Connecting video device equipped with video output terminal.

#### CONNECTIONS



### ■ To watch video material playback.

- Press the Remote's **INPUT** to select VIDEO INPUT mode to which the video equipment you want to playback is connected.
- The external VIDEO INPUT mode will change as follows each time the **INPUT** is pressed.



- INPUT mode can be selected by pressing either the **CH UP** (▲) on the TV remote control when the TV is set to the highest channel stored in memory, or by pressing the **CH DOWN** (▼) when it is set to the lowest channel.

#### Note:

- When connecting video or audio equipment to the television, be sure that the power is turned off in order to prevent damage to either the television or the equipment being connected.
- It is the intent of SHARP that this product be used in full compliance with the copyright law of the United States and that prior permission be obtained from copyright owners whenever necessary.
- For detailed information on the connection and use of auxiliary equipment, refer to the instruction manuals of the equipment being used.
- The connection cords can be obtained from your local video store.

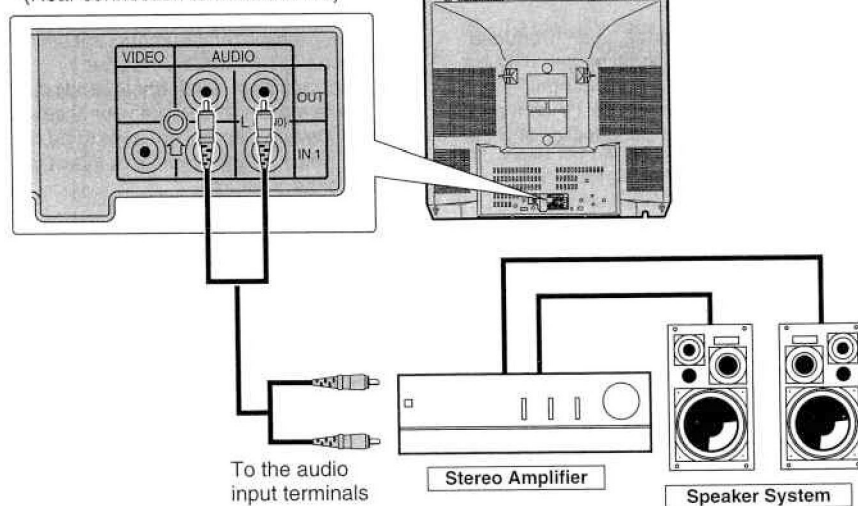
## Using the Audio Output Jacks

- These jacks are used for connecting a standard studio amplifier. Control of STEREO/MONO/SAP, VOLUME, and MUTE are retained at the TV. These jacks relay the audio signal of all programs being displayed on the TV screen.

(AUDIO OUTPUT JACKS are located on the rear of the cabinet.)

### CONNECTIONS

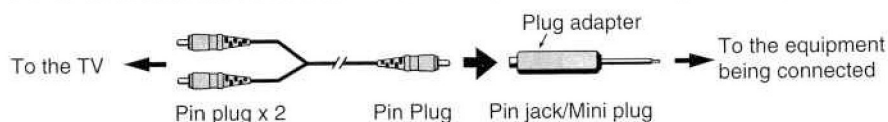
(Rear connection terminals of TV)



- Before connecting the cord, turn on the TV and adjust the VOLUME control on the TV for a moderate listening level.
- Turn off the TV and connect the audio cord to the AUDIO LINE OUTPUT JACKS on the TV.
- Turn the TV set and stereo amplifier on.
- If you desire, you can turn off the sound to the TV's internal speakers by SPEAKER mode. See page 11.
- Adjust the VOLUME control on the stereo amplifier for a moderate listening level.
- Control of the audio can be done using the audio controls (STEREO/MONO/SAP, VOLUME, and MUTE), from either the remote control, or directly from the TV set.

### Note:

- For detailed information on the connection and use of auxiliary equipment, refer to the operation manuals of the equipment being used.
- When connecting monaural equipment to the AUDIO INPUT or OUTPUT of this set, use an audio connection cord and plug adaptor as shown below.
- For optimal sound quality, it is recommended to keep the TV's audio output level high.





## Operation of Remote Control

### ■ Universal Remote Control

With the purchase of your television set you also have received the latest innovation in remote control technology. With its easy-to-use push button keyboard, your Remote can control your television set and most infrared remote controlled VCRs and cable TV converters as well.

#### Note:

- Depending on the model, year produced, brand and type of VCR, some models may not be compatible with the remote control.
- Some brands of VCR or Cable TV converter Box may not enable channel selection until the ENTER is pressed.

#### Example:

When you select channel 24,  
(1) Press REMOTE KEYPAD "2".  
(2) Press REMOTE KEYPAD "4".  
(3) Press ENTER.

For detailed information on the use of the VCR or Cable TV converter Box refer to their operating manuals.

### ■ Using Your Remote With Your TV

After installing the batteries, set the **TV-CATV** on the remote to the TV position. (If you can change the channel of the TV by pressing **CH UP (▲)** or **DOWN (▼)** on the Remote Control, it is the TV position.)

#### VCR POWER

Press to turn the VCR on and off.

#### PLAY ►

Press to playback a tape.

#### REWIND ◀◀

Press to rewind a tape. For some VCRs you may need to press STOP first, then REWIND. In Playback mode, hold button down to view picture moving rapidly in reverse.

#### PAUSE II

Press to temporary stop the tape during playback or recording. Press again to release Pause.

#### STOP ■

Press to stop the tape.

### ■ "Identifying" Remote VCR and Cable TV Converters

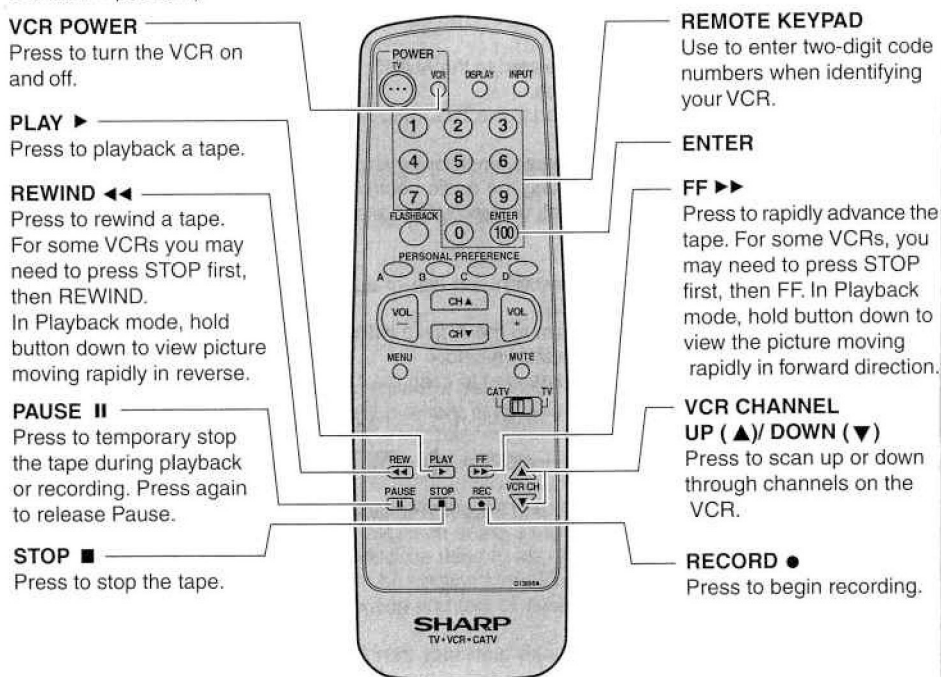
Your Remote Control has been set at the factory to operate your TV and many remote control VCRs and Cable Converters. However, in some cases an easy one-time set-up step may be necessary before the Remote will operate accessory VCRs and Cable Converters.

- In this set-up step, the Remote locates and memorizes the remote control transmitter code for the VCR or Cable Converter.
- Once "identified", the Remote sends the proper remote signals to operate your accessory.
- This identify step will not have to be repeated until power to the Remote is interrupted due to a battery failure.

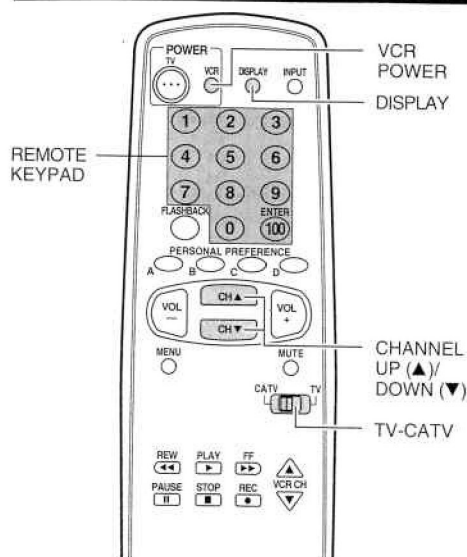
### ■ USING YOUR REMOTE CONTROL WITH A VCR

Once you make certain the Remote Control has "identified" your remote controlled VCR, the Remote Control is ready to operate your unit. The various VCR function buttons on the Remote Control will not operate your VCR if those features are not already found on your unit.

- All VCR buttons will operate whether the Remote Control is in TV or CATV modes.
- For detailed information on the use of the VCR, refer to the operation manual of the VCR.



## Operation of Remote Control (Continued)



from early to later model years, or due to format differences (VHS/BETA). In such cases, you may have to try more than one code to find the code your VCR accepts.

### Note:

Depending on the model, year produced, brand, and type of VCR, some models may not be compatible with the remote control.

### ■ To Identify Your VCR – Search Method.

- (1) Slide **TV-CATV** switch on the remote to TV.
- (2) Press **POWER** on the VCR to ON.
- (3) Stand at least six feet away from the front of the VCR.  
Point the remote towards the VCR.  
Hold down **DISPLAY** and **CH UP (▲)** at the same time. KEEP HOLDING THE BUTTONS DOWN.
- (4) Watch the Channel Number indicator on the VCR. Channel numbers will scan up when the VCR has been identified.  
Release **DISPLAY** and **CH UP (▲)** as soon as the channel numbers start to scan up.  
The VCR's remote control code number has been identified, and the remote is ready to operate the VCR.

### ■ HOW TO IDENTIFY A VCR

The remote control may already be set to operate your VCR. Try this initial check to see if going on to the following "identify" section is necessary.

- (1) Point remote towards VCR and press **VCR POWER**.
- (2) Does the remote turn the VCR ON and OFF?
  - If yes, the remote is ready to operate the VCR and no further steps are needed.
  - If no, continue to the "identify" section.

### ■ To Identify Your VCR – Direct Entry Method.

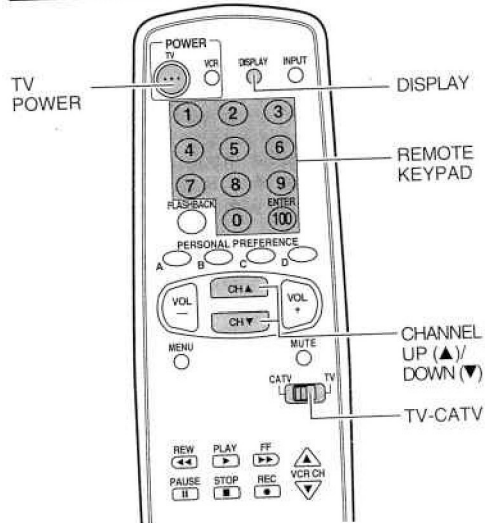
Use the following steps and list to quickly find the remote control code for your accessory VCR.

- First look up your VCR's remote control code number before going through the direct code entry steps control.
  - If this procedure does not identify your accessory VCR, use the Search method of identification (described in the next section).
- (1) Slide **TV-CATV** switch to TV.
  - (2) Press and hold down **DISPLAY** and **CH DOWN (▼)** on your remote control. Then release both buttons.
  - (3) Within ten seconds after releasing **DISPLAY** and **CH DOWN (▼)**, enter your VCR's two-digit remote control code number using **REMOTE KEYPAD** (refer to list).
    - The remote control is now ready to send commands to your VCR.

Some brands have more than one remote code listed, due to changes in the remote codes



## Operation of Remote Control (Continued)



### TIPS ON IDENTIFYING YOUR VCR:

If your VCR model does not have the CHANNEL UP function on its remote control, it cannot be identified using the SEARCH method of identifying. For such models, please try the DIRECT ENTRY method of identifying.

Be Patient: a minute or two can seem a lot longer when you're waiting for something to happen, but the code should be identified within 2 minutes. Remember, it is only a one-time set-up.

Be careful not to let the VCR scan more than five channels when the indicator starts to move up. If you continue holding down the **DISPLAY** and **CH UP (▲)** after five channel scans, the proper remote code can be passed up, and the two minutes identify cycle will have to be repeated.

If a channel change does not occur on the VCR within two minutes, read the identifying instructions again and repeat the steps. Should a channel change still not occur the remote will not operate with the desired VCR.

### ■ HOW TO IDENTIFY A CABLE CONVERTER

#### ■ To Identify Your Cable Converter -Direct Entry Method.

Use the following steps and list to quickly find the remote control code for your cable TV converter.

- First look up your converter's remote code number before going through the direct code entry steps below.
  - If this procedure does not identify your converter, use the Search method of identification (described in the next section).
- (1) Slide **TV-CATV** switch to CATV.
  - (2) Press and hold down **DISPLAY** and **CH DOWN (▼)** on your remote control.

VCR BRAND	REMOTE CONTROL CODE NUMBER
Akai	25, 26, 37
Audio Dynamics	15, 22, 30
Broksonic	32
Canon	04
Capehart	34
Craig	10, 31
Curtis Mathis	04
Daewoo	34
DBX	15, 22, 30
Dynatech	29
Emerson	21, 32, 35
Fisher	09, 10, 11
Funai	28, 29
GE	04
Goldstar	24
Hitachi	06
Instant Replay	04
JC Penney	04, 06, 24, 30
JVC	15, 41, 42
Kenwood	14, 15
Lloyds	29
Magnavox	04, 05, 08
Magnin	31
Marantz	30
Memorex	04, 10, 24, 29
Minolta	06
Mitsubishi	17, 18, 39, 40
Montgomery Ward	02, 43
Multitech	29
NEC	15, 22, 30
Panasonic	04, 44
Pentax	05, 06
Philco	04, 05
Philips	04, 05, 08
Quasar	04
RCA	06, 07, 33
Realistic	01, 02, 10, 24
Samsung	23, 31
Sanyo	14, 10
Scott	20
Sears	06, 11, 24
Sharp	01, 02, 03
Shintom	36
Sony	12, 13, 38
Sound Design	29
Sylvania	04, 05, 08
Symphonic	29
Tatung	15
Teac	15, 29
Teknika	27, 29
Thomas	29
TMK	21
Toshiba	19, 20
Video Concepts	30
Yamaha	15, 29, 30
Zenith	16

Then release both buttons.

- (3) Within ten seconds after releasing **DISPLAY** and **CH DOWN (▼)**, enter your converter's two-digit code number using **REMOTE KEYPAD** (refer to list).
- The remote control is now ready to send commands to your converter.

## Operation of Remote Control (Continued)

- Some brands have more than one remote code listed, due to changes in the remote codes from early to later model years. In such cases, you may have to try more than one code to find the code your converter accepts.

**Note:**

Depending on the model, year produced, brand, and type of CATV converter, some models may not be compatible with the remote control.

■ **To Identify Your Cable Converter – Search Method.**

- Slide **TV-CATV** switch on the remote to CATV.
- Press the **POWER** button on the cable converter to ON.
- Stand at least six feet away from the converter. Point the remote towards the converter. Hold down the **DISPLAY** and **CH UP (▲)** at the same time. **KEEP HOLDING THE BUTTONS DOWN.**
- Watch the Channel Number indicator on the converter. Channel numbers will scan up when the converter has been identified. Release the **DISPLAY** and **CH UP (▲)** as soon as the channel numbers start to scan up. The converter's remote control code number has been identified, and the remote is ready to operate the converter.

**TIPS ON IDENTIFYING YOUR CABLE CONVERTER:**

Be Patient: a minute or two can seem a lot longer when you're waiting for something to happen, but the code should be identified within 2 minutes. Remember, it is only a one-time set-up.

Be careful not to let the CATV converter scan more than five channels when the indicator starts to move up. If you continue holding down the **DISPLAY** and **CH UP (▲)** after five channel scans, the proper remote code can be passed up, and the two minutes identify cycle will have to be repeated.

If a channel change does not occur on the cable converter within two minutes, read the identifying instructions again and repeat the steps. Should a channel change still not occur, the remote will not operate with the desired converter.

**Note:**

Some satellite receivers can be operated by the **REMOTE CONTROL**. If you have a Satellite Receiver, you can use the above method to search for available channels.

CATV CONVERTER BRAND	REMOTE CONTROL CODE NUMBER
Anvision	07, 08
Cable Star	07, 08
Eagle	08
Eastern International	02
General Instrument	04, 05, 15, 23, 24, 25, 30, 36
Hamlin	12, 13, 34
Jerrold	04, 05, 15, 23, 24, 25, 30, 36
Macom	37
Magnavox	07, 08, 19, 25, 28, 29, 32, 33, 40, 41
NSC	09
Oak	01, 16, 38
Oak Sigma	18
Panasonic	27, 39
Philips	07, 08, 19, 26, 28, 29, 32, 33, 40, 41
Pioneer	18, 20
Randtek	07, 08
RCA	27, 43
Regal	12, 13
Regency	02
Scientific Atlantic	03, 22, 42
Sony	44
Sylvania	11
Teknika	06
Texscan	11
Tocom	17, 21
Unika	31
Viewstar	07, 08, 19, 26, 28, 29, 32, 33, 40, 41
Zenith	14



## Before Calling for Service

Check these items and see if you can correct trouble with a slight adjustment of the controls.

QUICK SERVICE CHECK LIST	PROBLEM																	
		No Playback of VCR and Disk Player	No Picture or Sound from External Video/Audio Products	Remote Control Doesn't Work	Bars on Screen	Picture Distorted	Picture Rolls Vertically	No Color	Poor Reception on Some Channels	Weak Picture	Lines or Streaks in Picture	Ghosts in Picture	Picture Blurred	Sound OK, Picture Poor	Picture OK, Sound Poor	No Picture or Sound	Dark and Blank Picture	External Electrical Noise Interfering with TV's Operation
POSSIBLE REMEDY																		
Try a new channel, if OK, then possible station trouble.						X	X	X	X	X	X	X	X	X	X	X		
Is TV plugged in? Power at outlet?			X	X													X	
Is TV's POWER button on?			X														X	
Is antenna connected to terminal on the back of the set?								X	X	X		X		X		X		
If outside antenna is being used, check for broken wire.					X	X	X	X	X	X	X	X	X	X		X		
Check for local interference or external electrical noise.					X		X		X		X	X		X	X			X
Turn off with POWER button and then turn it on after about a minute.			X													X		
Adjust COLOR control.								X										
Adjust PICTURE control.										X				X				
Check external Video/Audio products: look for loose/broken connection leads. (Refer to page 22, 23)		X	X											X	X	X		
Check batteries of Remote Control.				X														
Press CATV/TV Select Switch to TV position.				X														
Are audio cables connected firmly? Check the volume level.																	X	
Is SPEAKER ON? See page 11.																	X	
Change Closed Caption mode to "OFF" / Energy Save mode to "OFF".																	X	
Unplug the TV and plug it in again after 2 minutes.				X				X	X	X	X			X	X	X	X	X

### Note:

- When viewing in TEXT mode, if no TEXT broadcast is being received, the screen may become dark and blank. Should this occur, set the Closed Caption mode to "OFF".



(Dark and Blank Picture)

## Calling for Service

For location of the nearest Sharp Authorized Service, or to obtain product literature accessories, supplies, or customer assistance, please call 1-800-BE-SHARP.



## Antes de llamar al servicio de reparaciones

Verifique estos ítems para ver si usted mismo puede solucionar el problema.

LISTA DE COMPROBACIONES DE SERVICIO RAPIDO	PROBLEMA													
	POSIBLE SOLUCIÓN	El video o el reproductor de discos de video no reproducen imágenes	El equipo de video/audio externo no produce imágenes ni sonido	El mando a distancia no funciona	Barras en la pantalla	Imagen distorsionada	La imagen se desplaza verticalmente	No hay color	Mala recepción de algunos canales	Imagen débil	Franjas en la imagen	Imagen fantasma	Imagen borrosa	Sonido adecuado, imagen mala
	Pruebe con otro canal y si todo está bien, el problema puede ser de la emisora.				X	X	X	X	X	X	X	X	X	X
	Está conectado el televisor? Llega electricidad al tomacorrientes?	X	X											X
	Está conectado el interruptor del televisor?	X												X
	Está conectado la antena al terminal del panel posterior del televisor?						X	X	X		X		X	X
	Si utiliza una antena exterior, cerciórese de que el cable no esté dañado.				X	X	X	X	X	X	X	X	X	X
	Compruebe si hay interferencia local.			X	X		X		X	X		X	X	X
	Desconecte el interruptor POWER y vuelva a conectarlo después de transcurrir un minuto.	X												X
	Ajuste el control de COLOR.						X							
	Ajuste el control de MATIZ.								X				X	
	Verifique los productos externos de Video/Audio, revise si hay guías de conexiones sueltas o rotas.	X	X										X	X
	Compruebe el estado de las pilas del mando a distancia.		X											
	Pulse CATV/TV selector para situarlo sobre la posición TV.		X											
	Están bien conectados los cables de sonido? Compruebe el nivel del volumen.													X
	Está conectado el altavoz?													X
	Desactive (OFF) el modo CLOSED CAPTION / Desactive (OFF) el modo Ahorro de Energía (Energy Save).													X
	Desenchufe el televisor y vuelva a enchufarlo después de 2 minutos.		X			X	X	X	X				X	X

**Nota:**

- Cuando se ve en modo TEXTO sin recibir emisiones de TEXTO, la pantalla puede ponerse en blanco y negro. Si ocurriera esto, ponga el modo CLOSED CAPTION en OFF.



(Imagen oscura y en blanco)

**Memo**

**Memo**

## Limited Warranty

### CONSUMER LIMITED WARRANTY

SHARP ELECTRONICS CORPORATION warrants to the first consumer purchaser that this Sharp brand product (the "Product"), when shipped in its original container, will be free from defective workmanship and materials, and agrees that it will, at its option, either repair the defect or replace the defective Product or part thereof with a new or remanufactured equivalent at no charge to the purchaser for parts or labor for the period(s) set forth below.

This warranty does not apply to any appearance items of the Product nor to the additional excluded item(s) set forth below nor to any Product the exterior of which has been damaged or defaced, which has been subjected to improper voltage or other misuse, abnormal service or handling, or which has been altered or modified in design or construction.

In order to enforce the rights under this limited warranty, the purchaser should follow the steps set forth below and provide proof of purchase to the servicer.

The limited warranty described herein is in addition to whatever implied warranties may be granted to purchasers by law. ALL IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED TO THE PERIOD(S) FROM THE DATE OF PURCHASE SET FORTH BELOW. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Neither the sales personnel of the seller nor any other person is authorized to make any warranties other than those described herein, or to extend the duration of any warranties beyond the time period described herein on behalf of Sharp.

The warranties described herein shall be the sole and exclusive warranties granted by Sharp and shall be the sole and exclusive remedy available to the purchaser. Correction of defects, in the manner and for the period of time described herein, shall constitute complete fulfillment of all liabilities and responsibilities of Sharp to the purchaser with respect to the Product, and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. In no event shall Sharp be liable or in any way responsible, for any damages or defects in the Product which were caused by repairs or attempted repairs performed by anyone other than an authorized servicer. Nor shall Sharp be liable or in any way responsible for any incidental or consequential economic or property damage. Some states do not allow the exclusion of incidental or consequential damages, so that above exclusion may not apply to you.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

#### Model Specific Section

<b><u>Your Product Model Number &amp; Description:</u></b>	For any 27", 32" and 36" Color Television (Be sure to have this information available when you need service for your Product.)
<b><u>Warranty Period for this Product:</u></b>	One (1) year parts and labor. The warranty period continues for an additional one (1) year, for a total of two (2) years, with respect to the picture tube(s) in the Product for parts only. Labor and service are not provided free of charge for this additional period.
<b><u>Additional Item(s) Excluded from Warranty Coverage (if any):</u></b>	Non-rechargeable batteries.
<b><u>Where to Obtain Service:</u></b>	From a Sharp Authorized Service Station located in the United States. To find the location of the nearest Sharp Authorized Service Station, call Sharp toll free at 1-800-BE-SHARP.
<b><u>What to Do to Obtain Service:</u></b>	Contact your Sharp Authorized Service Station to obtain in-home service for this Product. The Servicer will come to your home and if it is necessary to remove the Product, the Servicer will reinstall it. Be sure to have <b>Proof of Purchase</b> available.

TO OBTAIN ACCESSORY OR PRODUCT INFORMATION, CALL 1-800-BE-SHARP OR VISIT [www.sharp\\_usa.com](http://www.sharp_usa.com)

# SHARP®

## SHARP ELECTRONICS CORPORATION

Sharp Plaza, Mahwah, New Jersey 07430-2135

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TINS-6553MEZZ  
T2071-A 9P02-AMP



# IMPORTANT SAFEGUARDS

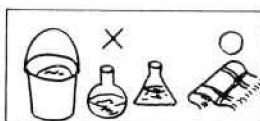
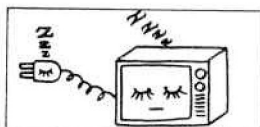
**CAUTION:** Please read all of these instructions before you operate your television and save these instructions for later use.

Electrical energy can perform many useful functions. This unit has been engineered and manufactured to assure your personal safety. But IMPROPER USE CAN RESULT IN POTENTIAL ELECTRICAL SHOCK OR FIRE HAZARDS. In order not to defeat the safeguards incorporated in this equipment, observe the following basic rules for its installation, use and servicing.

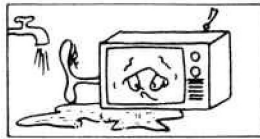


Dear Customer

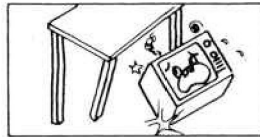
Thank you very much for the purchase of your new television. For your own protection and prolonged enjoyment of your television, please be sure to read these "Important Safeguards" carefully before use.



1. Unplug this television equipment from the wall outlet before cleaning.
2. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
3. Do not use attachments not recommended by the television equipment manufacturer as they may cause hazards.



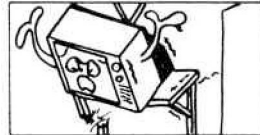
4. Do not use this television equipment near water — for example, near a bathtub, washbowl, kitchen sink or laundry tub, in a wet basement, or near a swimming pool, etc.



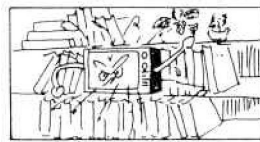
5. Do not place this television equipment on an unstable cart, stand, or table. The television equipment may fall, causing serious injury to a child or an adult, and serious damage to the equipment. Use only with a cart or stand recommended by the manufacturer, or sold with the television equipment.



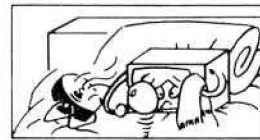
Television equipment and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the equipment and cart combination to overturn.



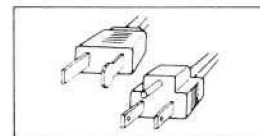
6. Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.



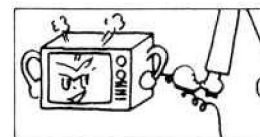
7. Slots and openings in the cabinet and the back or bottom are provided for ventilation, and to insure reliable operation of the television equipment and to protect it from overheating, these openings must not be blocked or covered. This television equipment should not be placed in a built-in insulation such as a bookcase unless proper ventilation is provided.



8. The openings should never be covered with a cloth or other material, and the bottom openings should not be blocked by placing the television equipment on a bed, sofa, rug, or other similar surface. This television equipment should never be placed near or over a radiator or heat register.



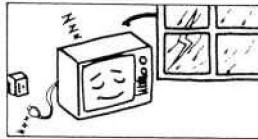
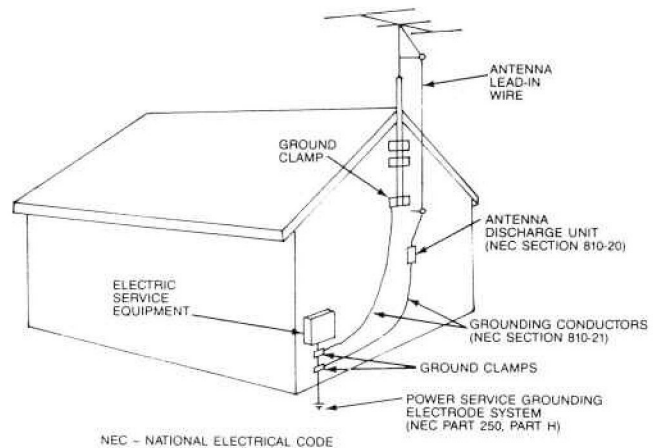
9. This television equipment should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your television dealer or local power company. For television equipment designed to operate from battery power, refer to the operating instructions.



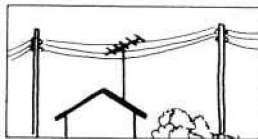
10. As a safety feature, television equipment is equipped with either a 2-wire polarized plug (one plug blade bigger than the other) or a 3-wire grounded plug (a third pin for grounding). The 2-wire polarized plug will fit only one way into the power outlet. The 3-wire grounded plug will fit only into a grounding-type power outlet. If the plug does not fit, ask your electrician to replace your obsolete outlet. Do not modify the plug and defeat this safety feature.
11. Do not allow anything to rest on the power cord. Do not locate this television equipment where the cord will be abused by persons walking on it.

12. Follow all warnings and instructions marked on the television equipment.
13. If an outside antenna is connected to the television equipment, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

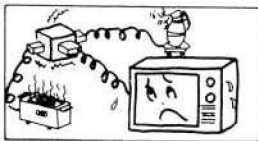
EXAMPLE OF ANTENNA GROUNDING ACCORDING TO NATIONAL ELECTRICAL CODE.



14. For added protection for this television equipment during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to the equipment due to lightning and power-line surges.

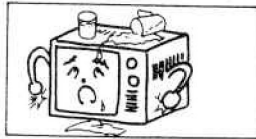


15. An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.



16. Do not overload wall outlets and extension cords as this can result in fire or electric shock.

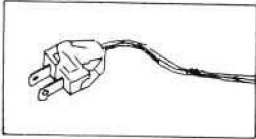




17. Never push objects of any kind into this television equipment through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the television equipment.



18. Do not attempt to service this television equipment yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.



19. Unplug this television equipment from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- A. When the power cord or plug is damaged or frayed.
- B. If liquid has been spilled into the television equipment.
- C. If the television equipment has been exposed to rain or water.
- D. If the television equipment does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the television equipment to normal operation.
- E. If the television equipment has been dropped or the cabinet has been damaged.
- F. When the television equipment exhibits a distinct change in performance — this indicates a need for service.



20. Upon completion of any service or repairs to this television equipment, ask the service technician to perform routine safety checks to determine that the television is in safe operating condition.

21. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

3025ME T6410-A  
PRINTED IN USA

CRT000561

# **EXHIBIT 51**

**UNITED STATES DISTRICT COURT**  
**NORTHERN DISTRICT OF CALIFORNIA**  
**OAKLAND DIVISION**

IN RE: CATHODE RAY TUBE (CRT)  
ANTITRUST LITIGATION

Master File No. 4:07-cv-05944-JST  
MDL No. 1917

This Document Relates to:  
  
Indirect-Purchaser Class Action

**DECLARATION OF  
CLASS REPRESENTATIVE  
DONNA ELLINGSON-MACK**

1 I, DONNA ELLINGSON-MACK, declare as follows:

2 1. I am the South Dakota class representative in this action.

3  
4 2. I have personal knowledge of the matters set forth below, and if I was called  
5 to testify about these matters I could and would do so.

6 3. I purchased a Sharp television on October 18, 1999 from Rex TV in Rapid  
7  
8 City, South Dakota.

9 4. Upon information from my counsel, I believe the cathode ray tube contained  
10 inside my Sharp television is made by defendant Thomson which is supported by the  
11 Sharp TV manual (CRT001395) and a document produced by Sharp titled 2012.11.28  
12 12\_98 - 3\_01 CRT Purchase Data\_Replacement.xlsx.

13  
14 5. I was a South Dakota resident at the time I purchased the Sharp television.

15  
16 I declare under penalty of perjury under the laws of the state of South Dakota that  
17 the statements in this Declaration are truthful and accurate.

18  
19 Dated: July 27, 2023

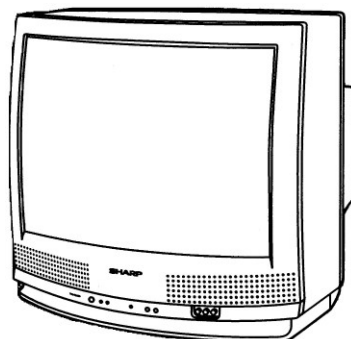
20 By:  Donna Ellingson-Mack

# **EXHIBIT 52**

**ARP**

# SERVICE MANUAL

S39D927L-S100



## COLOR TELEVISION

Chassis No. SN-91

## 27L-S100/27L-S180 MODELS CL27S10/CL27S18

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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• REPLACEMENT PARTS LIST .....	29
• PACKING OF THE SET .....	36

### ELECTRICAL SPECIFICATIONS

POWER INPUT ..... 120 V AC 60 Hz  
POWER RATING ..... 110 W  
PICTURE SIZE ..... 2,187cm<sup>2</sup> (339sq inch)  
CONVERGENCE ..... Magnetic  
SWEEP DEFLECTION ..... Magnetic  
FOCUS ..... Hi-Bi-Potential Electrostatic  
INTERMEDIATE FREQUENCIES  
Picture IF Carrier Frequency ..... 45.75 MHz  
Sound IF Carrier Frequency ..... 41.25 MHz  
Color Sub-Carrier Frequency ..... 42.17 MHz  
(Nominal)

AUDIO POWER  
OUTPUT RATING ..... 1.3W + 1.3W (at 10% distortion and  
Dual CH Operate)

SPEAKER  
SIZE ..... 8 cm (Round)  
VOICE COIL IMPEDANCE ..... 32 ohm at 400 Hz  
ANTENNA INPUT IMPEDANCE  
VHF/UHF ..... 75 ohm Unbalanced  
TUNING RANGES  
VHF-Channels ..... 2 thru 13  
UHF-Channels ..... 14 thru 69  
CATV Channels ..... 1 thru 125  
(EIA, Channel Plan U.S.A.)

***Specifications are subject to change without  
prior notice.***

**SHARP CORPORATION**

This document has been published to be used for after  
sales service only. CRT001395  
The contents are subject to change without notice.

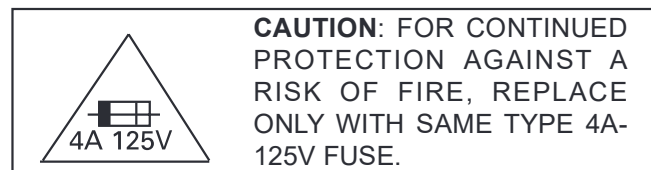
## IMPORTANT SERVICE SAFETY PRECAUTION

- **Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:**

### WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.
3. Semiconductor heat sinks are potential shock hazards when the chassis is operating.
4. The chassis in this receiver has two ground systems which are separated by insulating material. The non-isolated (hot) ground system is for the B+ voltage regulator circuit and the horizontal output circuit. The isolated ground system is for the low B+ DC voltages and the secondary circuit of the high voltage transformer.

To prevent electrical shock use an isolation transformer between the line cord and power receptacle, when servicing this chassis.



### SERVICING OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

**When servicing the high voltage system, remove the static charge by connecting a 10k ohm resistor in series with an insulated wire (such as a test probe) between the picture tube ground and the anode lead. (AC line cord should be disconnected from AC outlet.)**

1. Picture tube in this receiver employs integral implosion protection.
2. Replace with tube of the same type number for continued safety.
3. Do not lift picture tube by the neck.
4. Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage anode completely.

### X-RADIATION AND HIGH VOLTAGE LIMITS

1. Be sure all service personnel are aware of the procedures and instructions covering X-radiation. The only potential source of X-ray in current solid state TV receivers is the picture tube. However, the picture tube does not emit measurable X-Ray radiation, if the high voltage is as specified in the "High Voltage Check" instructions.

It is only when high voltage is excessive that X-radiation is capable of penetrating the shell of the picture tube including the lead in the glass material. The important precaution is to keep the high voltage below the maximum level specified.

2. It is essential that servicemen have available at all times an accurate high voltage meter. The calibration of this meter should be checked periodically.
3. High voltage should always be kept at the rated value -no higher. Operation at higher voltages may cause a failure of the picture tube or high voltage circuitry and;also, under certain conditions, may produce radiation in exceeding of desirable levels.
4. When the high voltage regulator is operating properly there is no possibility of an X-radiation problem. Every time a color chassis is serviced, the brightness should be tested while monitoring the high voltage with a meter to be certain that the high voltage does not exceed the specified value and that it is regulating correctly.
5. Do not use a picture tube other than that specified or make unrecommended circuit modifications to the high voltage circuitry.
6. When trouble shooting and taking test measurements on a receiver with excessive high voltage, avoid being unnecessarily close to the receiver. Do not operate the receiver longer than is necessary to locate the cause of excessive voltage.



# IMPORTANT SERVICE SAFETY PRECAUTION

(Continued)

## BEFORE RETURNING THE RECEIVER

### (Fire & Shock Hazard)

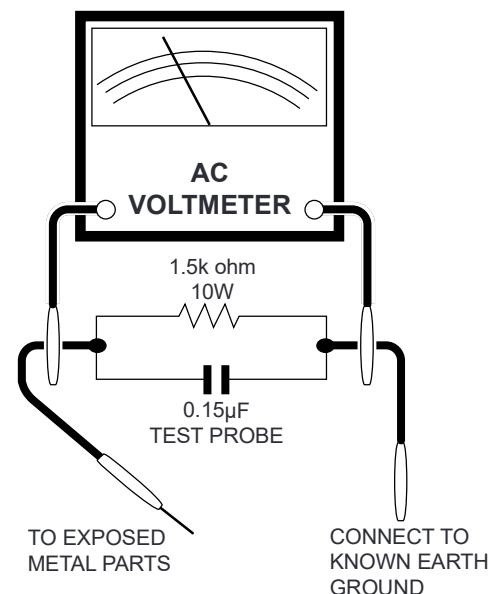
Before returning the receiver to the user, perform the following safety checks.

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.
  - Plug the AC cord directly into a 120 volt AC outlet, (Do not use an isolation transformer for this test).
  - Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 $\mu$ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to earth ground.
  - Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor.

- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon and etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC ine cord plug connection reversed. (If necessary, a non-polarized adapter plug must be used only for the purpose of completing these check.)

Any current measured must not exceed 0.5 milliamp. Any measurements not within the limits outlined above indicate of a potential shock hazard and corrective action must be taken before returning the instrument to the customer.



## SAFETY NOTICE

Many electrical and mechanical parts in television receivers have special safety-related characteristics. These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by " $\triangle$ " and shaded areas in the Replacement Parts Lists and Schematic Diagrams.

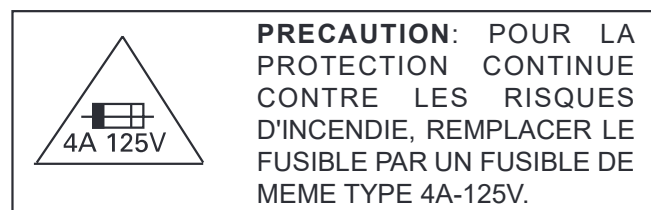
For continued protection, replacement parts must be identical to those used in the original circuit. The use of substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire, X-radiation or other hazards.

## PRECAUTIONS A PRENDRE LORS DE LA REPARATION

- **Ne peut effectuer la réparation qu' un technicien spécialisé qui s'est parfaitement accoutumé à toute vérification de sécurité et aux conseils suivants.**

### AVERTISSEMENT

1. N'entreprendre aucune modification de tout circuit. C'est dangereux.
2. Débrancher le récepteur avant toute réparation.
3. Les déversoirs thermiques à semi-conducteurs peuvent présenter un danger de choc électrique lorsque le récepteur est en marche.
4. Le châssis de ce récepteur possède deux systèmes de masse qui sont séparées par du matériel d'isolation. Le système de masse non-isolée (sous tension) est pour le circuit du régulateur de tension B+ et le circuit de sortie horizontale. Le système de masse isolée est pour les tensions DC B+ basses et le circuit secondaire du transformateur haute tension. Pour éviter tout risque d'électrocution lors de l'entretien de ce châssis, utiliser un transformateur d'isolation entre le cordon de ligne et la prise de courant.



### REPARATION DU SYSTEME A HAUTE TENSION ET DU TUBE-IMAGE

**Lors de la réparation de ce système, supprimer la charge statique en branchant une résistance de 10 kΩ en série avec un fil isolé (comme une sonde d'essai) entre la mise à la terre du tube-image et le fil d'anode. (Le cordon d'alimentation doit être retiré de la prise murale.)**

1. Le tube image dans ce récepteur emploie une protection intégrée contre l'implosion.
2. Par mesure de sécurité, changer le tube-image pour un tube du même numéro de type.
3. Ne pas lever le tube-image par son col.
4. Ne manipuler le tube-image qu'en portant des lunettes incassables et qu'après avoir déchargé totalement la haute tension.

### LIMITES DES RADIATIONS X ET DE LA HAUTE TENSION

1. Tout le personnel réparateur doit être instruit des instructions et procédés relatifs aux radiations X. Le tube-image, seule source de rayons X dans les téléviseurs transistorisés, n'émet pourtant pas de rayons mesurables si la haute tension est maintenue à un niveau préconisé dans la section "Vérification de la haute tension". C'est seulement quand la haute tension est excessive que les rayons X peuvent entrer dans l'enveloppe du tube-image y compris le conducteur de verre. Il est important de maintenir la haute tension en-dessous du niveau spécifié.
2. Il est essentiel que le réparateur ait sous la main un voltmètre à haute tension qui doit être périodiquement étalonné.
3. La haute tension doit toujours être maintenue à la valeur de régime -et pas plus haute. L'opération à des tensions plus élevées peut entraîner une panne du tube-image ou du circuit à haute tension et, dans certaines conditions, peut entraîner une radiation dépassant les niveaux prescrits.
4. Quand le régulateur à haute tension fonctionne correctement, il n'y a aucun problème de radiation X. Chaque fois qu'un châssis couleurs est réparé, la luminosité doit être examinée tout en contrôlant la haute tension à l'aide d'un voltmètre pour s'assurer que la haute tension ne dépasse pas la valeur spécifiée et qu'elle soit correctement réglée.
5. Ne pas utiliser un tube-image autre que celui spécifié et ne pas effectuer de modifications déconseillées du circuit à haute tension.
6. Lors de la recherche des pannes et des mesures d'essai sur un récepteur qui présente une haute tension excessive, éviter de s'approcher inutilement du récepteur.  
Ne pas faire fonctionner le récepteur plus longtemps que nécessaire pour localiser la cause de la tension excessive.

# PRECAUTIONS A PRENDRE LORS DE LA REPARATION

## (Suite)

### VERIFICATIONS CONTRE L'INCEN-DIE ET LE CHOC ELECTRIQUE

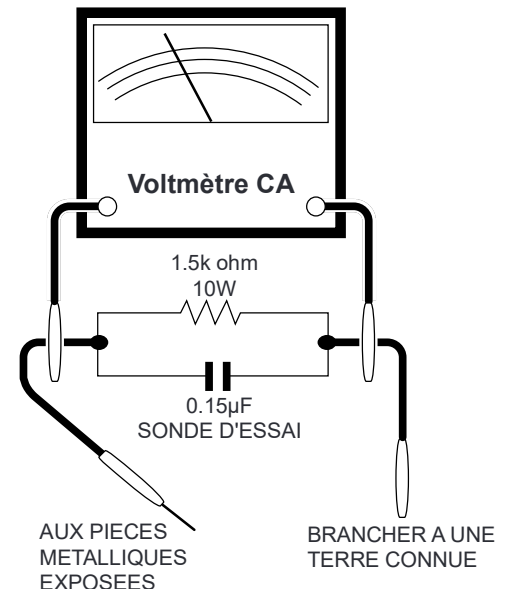
**Avant de rendre le récepteur à l'utilisateur, effectuer les vérifications suivantes.**

1. Inspecter tous les faisceaux de câbles pour s'assurer que les fils ne soient pas pincés ou qu'un outil ne soit pas placé entre le châssis et les autres pièces métalliques du récepteur.
2. Inspecter tous les dispositifs de protection comme les boutons de commande non-métalliques, les isolants, le dos du coffret, les couvercles ou blindages de réglage et de compartiment, les réseaux de résistance-capacité, les isolateurs mécaniques, etc.
3. S'assurer qu'il n'y ait pas de danger d'électrocution en vérifiant la fuite de courant, de la façon suivante:
  - Brancher le cordon d'alimentation directement à une prise de courant de 120V. (Ne pas utiliser de transformateur d'isolation pour cet essai).
  - A l'aide de deux fils à pinces, brancher une résistance de 1,5 k $\Omega$  10 watts en parallèle avec un condensateur de 0,15 $\mu$ F en série avec toutes les pièces métalliques exposées du coffret et une terre connue comme une conduite électrique ou une prise de terre branchée à la terre.
  - Utiliser un voltmètre CA d'une sensibilité d'au moins 5000 $\Omega$ /V pour mesurer la chute de tension en travers de la résistance.

- Toucher avec la sonde d'essai les pièces métalliques exposées qui présentent une voie de retour au châssis (antenne, coffret métallique, tête des vis, arbres de commande et des boutons, écusson, etc.) et mesurer la chute de tension CA en-travers de la résistance. Toutes les vérifications doivent être refaites après avoir inversé la fiche du cordon d'alimentation. (Si nécessaire, une prise d'adaptation non polarisée peut être utilisée dans le but de terminer ces vérifications.)

Tous les courants mesurés ne doivent pas dépasser 0,5 mA.

Dans le cas contraire, il y a une possibilité de choc électrique qui doit être supprimée avant de rendre le récepteur au client.



### AVIS POUR LA SECURITE

De nombreuses pièces, électriques et mécaniques, dans les téléviseurs présentent des caractéristiques spéciales relatives à la sécurité, qui ne sont souvent pas évidentes à vue. Le degré de protection ne peut pas être nécessairement augmentée en utilisant des pièces de remplacement étalonnées pour haute tension, puissance, etc.

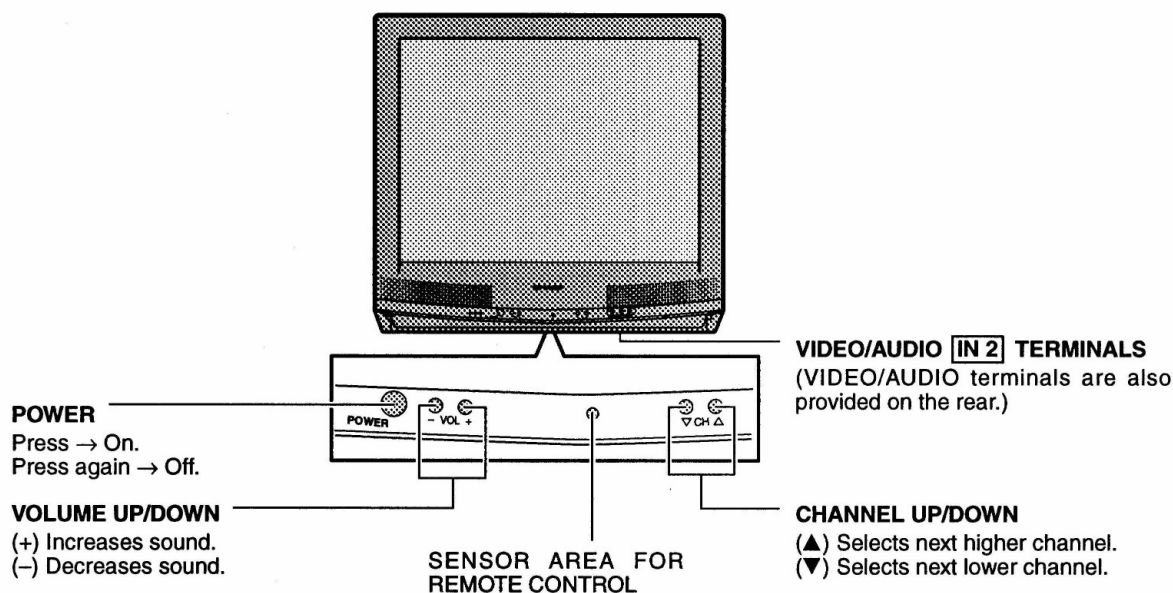
Les pièces de remplacement qui présentent ces caractéristiques sont identifiées dans ce manuel; les pièces électriques qui présentent ces particularités sont

identifiées par la marque " ⚠ " et hachurées dans la liste des pièces de remplacement et les diagrammes schématiques.

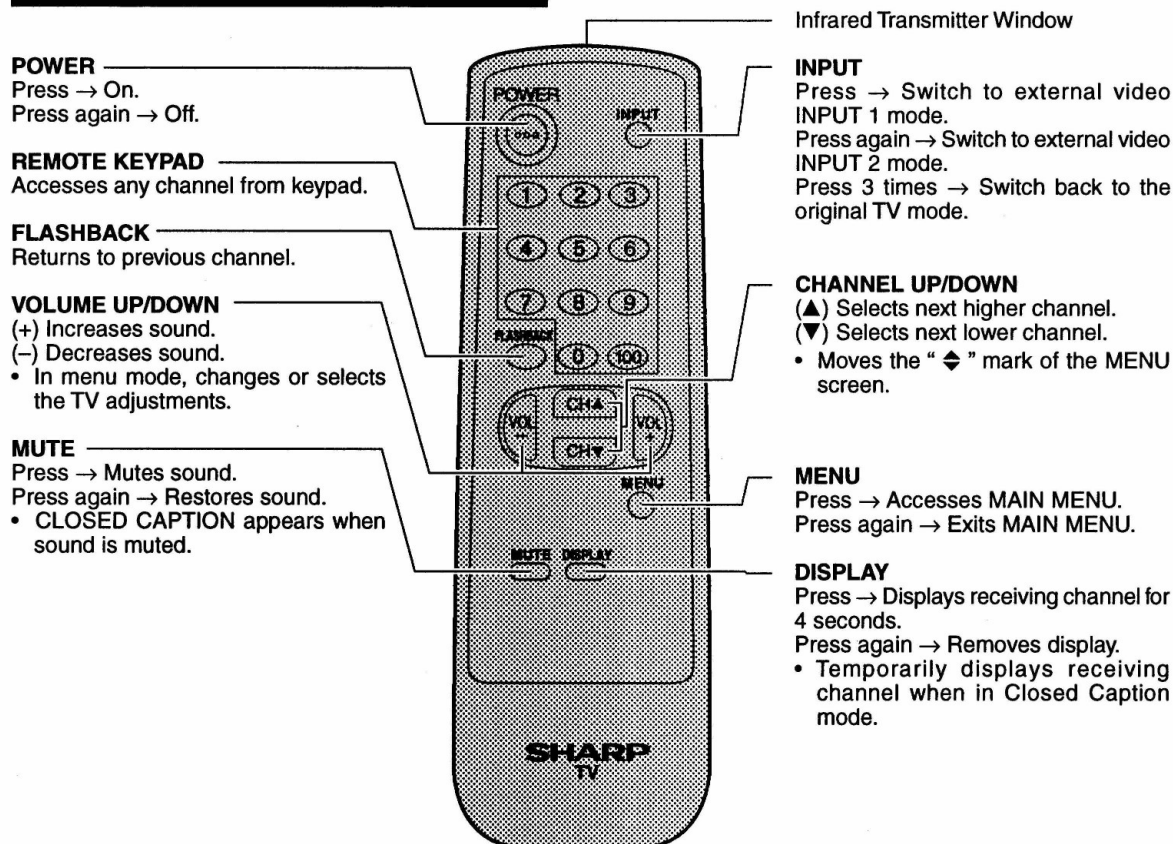
Pour assurer la protection, ces pièces doivent être identiques à celles utilisées dans le circuit d'origine. L'utilisation de pièces qui n'ont pas les mêmes caractéristiques que les pièces recommandées par l'usine, indiquées dans ce manuel, peut provoquer des électrocutions, incendies, radiations X ou autres accidents.

## LOCATION OF USER'S CONTROL (27L-S100, CL27S10)

### Front Panel



### Basic Remote Control Functions

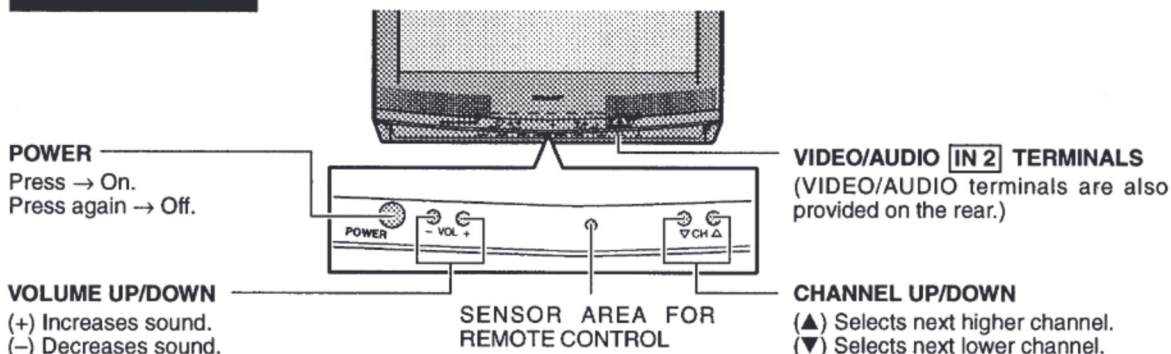




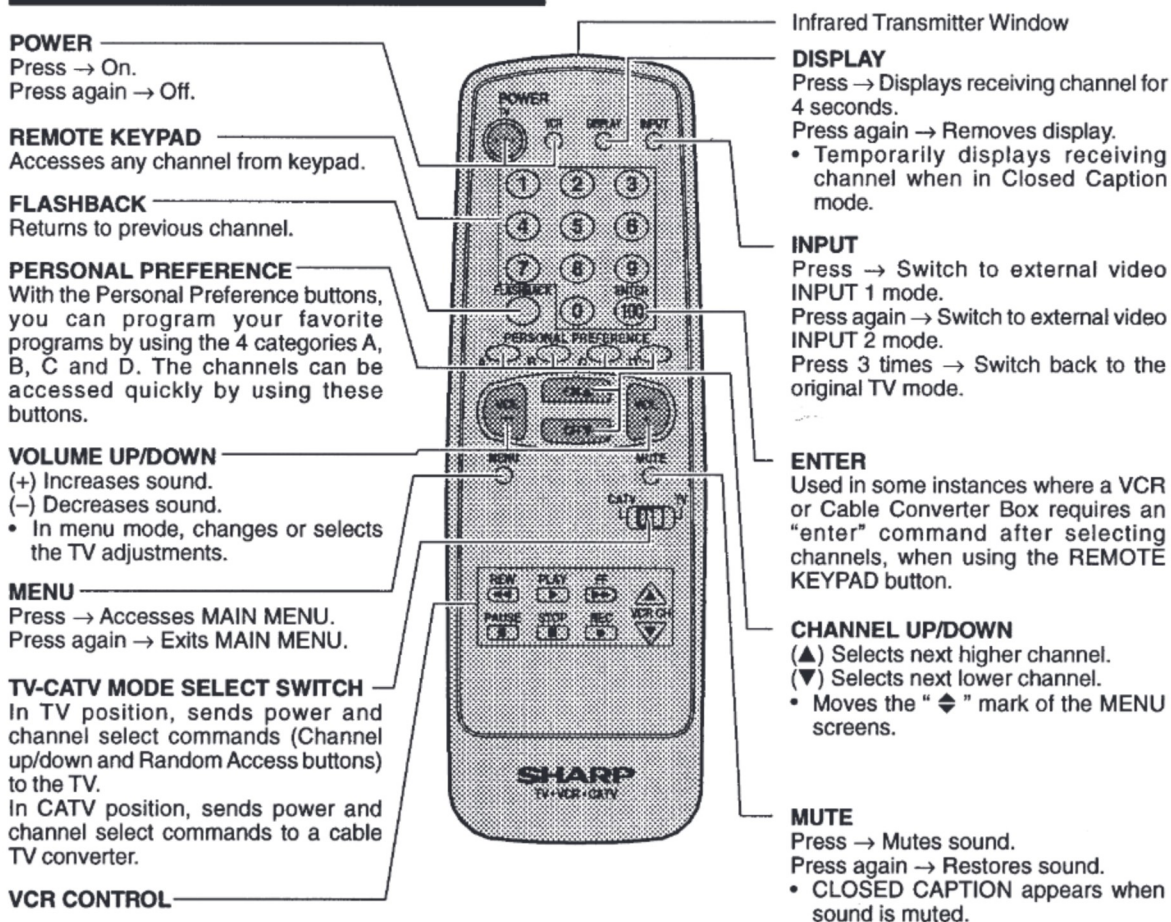
## LOCATION OF USER'S CONTROL(Continued)

### (27L-S180, CL27S18)

#### Front Panel



#### Basic Remote Control Functions



#### Note:

- The above shaded buttons on the Remote Control glow in the dark. To use the glow-in-the-dark display on the remote control, place it under a fluorescent light or other lighting.
- The phosphorescent material contains no radioactive or toxic material, so it is safe to use.
- The degree of illumination will vary depending on the strength of lighting used.
- The degree of illumination will decrease with time and depending on the temperature.
- The time needed to charge the phosphorescent display will vary depending on the surrounding lighting.
- Sunlight and fluorescent lighting are the most effective when charging the display.

# INSTALLATION AND SERVICE INSTRUCTIONS

- Note:** (1) When performing any adjustments to resistor controls and transformers use non-metallic screwdrivers or TV alignment tools.
- (2) Before performing adjustments, the TV set must be on at least 15 minutes.

## CIRCUIT PROTECTION

The receiver is protected by a 4.0A fuse (F701), mounted on PWB-A, wired into one side of the AC line input.

## X-RADIATION PROTECTOR CIRCUIT TEST

After service has been performed on the horizontal deflection system, high voltage system, B+ system, test the X-Radiation protection circuit to ascertain proper operation as follows:

1. Apply 120V AC using a variac transformer for accurate input voltage.
2. Allow for warm up and adjust all customer controls for normal picture and sound.
3. Receive a good local channel.
4. Connect a digital voltmeter to TP653 and make sure that the voltmeter reads  $11.2 \pm 0.6V$ .
5. Apply external 13.8V DC at TP653 by using an external DC supply, TV must be shut off.
6. To reset the protector, unplug the AC cord and make a short circuit between TP651 and TP652. Now make sure that normal picture appears on the screen.
7. If the operation of the horizontal oscillator does not stop in step 5, the circuit must be repaired before the set is returned to the customer.

## HIGH VOLTAGE CHECK

High voltage is not adjustable but must be checked to verify that the receiver is operating within safe and efficient design limitations as specified checks should be as follows:

1. Connect an accurate high voltage meter between ground and anode of picture tube.
2. Operate receiver for at least 15 minutes at 120V AC line voltage, with a strong air signal or a properly tuned in test signal.
3. Enter the service mode and select the service adjustment "S19" and Bus data "01" (Y-mute on).
4. The voltage should be approximately, 28.7kV (at zero beam).

If a correct reading cannot be obtained, check circuitry for malfunctioning components. After the voltage test, make Y-mute off to the normal mode.

For adjustments of this model, the bus data is converted to various analog signals by the D/A converter circuit.

**Note:** There are still a few analog adjustments in this series such as focus and master screen voltage. Follow the steps below whenever the service adjustment is required. See "Table-B" to determine, if service adjustments are required.

### 1. Service mode

Before putting unit into the service mode, check that customer adjustments are in the normal mode. Use the reset function in the video adjustment menu to ensure customer controls are in their proper (reset) position.

### 2. Service number selection

Once in the service mode, press the Ch-up or Ch-down button on the remote controller or at the set. The service adjustment number will vary in increments of one, from "S01" to "M05". Select the item you wish to adjust.

### 3. Data number selection

Press the Vol-up or down button to adjust the data number.

### To enter the service mode and exit service mode.

While pressing the Vol-up and Ch-up buttons at the sametime, plug the AC cord into a wall socket. Now the TV set is switched on and enters the service mode.

To exit the service mode, turn the television off by pressing the power button.

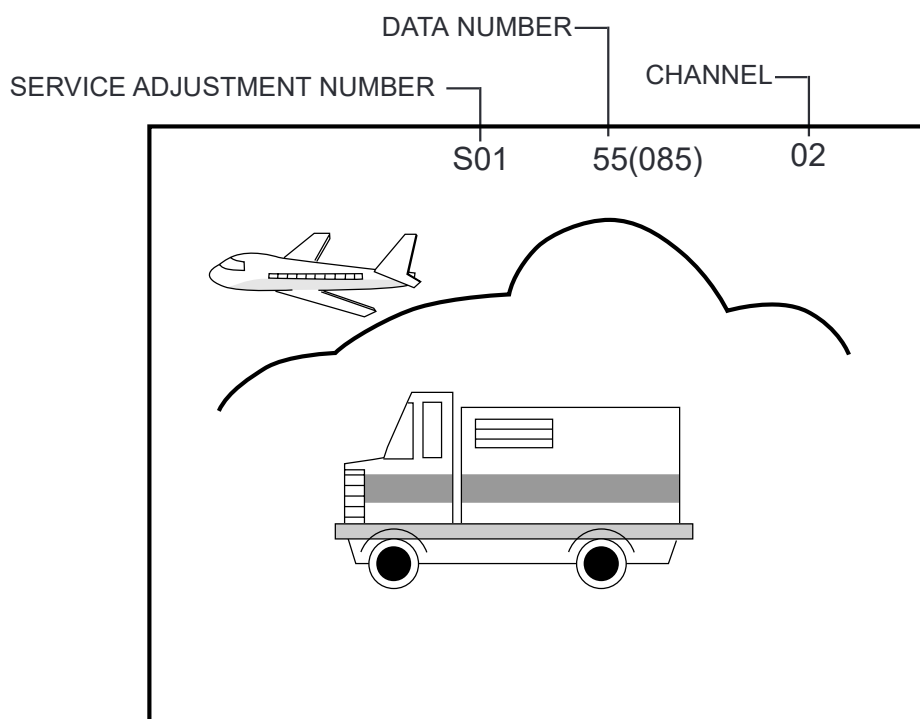


Figure A.



SERVICE NUMBER	ADJUSTMENT ITEM	DATA		ADJUSTMENT CONTENTS
		INITIAL VALUE	RANGE	
S01	PICTURE	55	00-7F	Must be set to "28" Must be set to "00"
S02	TINT	46	00-7F	
S03	COLOR	32	00-7F	
S04	BRIGHTNESS	40	00-7F	
S05	SHARPNESS	28	00-3F	
S06	VERTICAL PHASE	00	00-07	
S07	HORIZONTAL PHASE	12	00-1F	
S08	RF-AGC	23	00-3F	
S09	VERTICAL AMP	20	00-3F	
S10	PIF VCO	2C	00-7F	
S11	R CUT-OFF	00	00-FF	Must be set to "00" Must be set to "20"
S12	G CUT -OFF	00	00-FF	
S13	B CUT-OFF	00	00-FF	
S14	G GAIN	7F	00-FF	
S15	B GAIN	7F	00-FF	
S16	TRAP	00	00 or 01	
S17	BALANCE	20	00-3F	
S18	C.C.POSITION	17	00-7F	
S19	MUTE	00	00,01,03	
S20	ENERGY SAVE OFFSET	20	00-3F	
S21	D.D.E. OFFSET	03	00-1F	"00"=Normal, "01"=No-Y, "03"=No Vertical
S22	OSD SETUP	00	00-03	Must be set to "23"
S23	TUNER SETUP	00	00, 01	Must be set to "03"
OP.	OPTION (Set to each model)	30	00-FF	Must be set to "00"
M01	INPUT LEVEL	0A	00-0F	Must be set to "00"
M02	ST VCO	20	00-3F	Must be set to "26"=27L-S100, "3E"=27L-S180
M03	FILTER	1C	00-3F	
M04	WIDE BAND	20	00-3F	
M05	SPECTRAL	1B	00-3F	

Table - A

Holding down both the CH-up/down buttons on the TV set at service mode for more than 2 seconds will automatically write the above initial values into IC2101.

PART REPLACED	ADJUSTMENT		NOTES
	NECESSARY	UNNECESSARY	
IC2001		X	Data is stored in IC2101.
IC201	X		The adjustment is needed to compensate for characteristics of parts including IC201 and MTS level (M01).
IC2101	X		Holding down both the CH-up/down buttons on the TV set in the service mode for more than 2 seconds will automatically write the above initial values into IC2101. Then perform a complete adjustment.
CRT	X		Adjust items related to picture tube only.
IC3001	X		Adjust items related to MTS only (M01~M05).

Table - B

## ■ SERVICE ADJUSTMENT

### VCO Adjustment

1. Connect a digital voltmeter between pin (44) of IC201 and ground.
2. Receive a good local channel.
3. Enter the service mode and select the service adjustment "S10".
4. Adjust the data so that digital voltmeter reads 2.2V.
5. Adjustment is completed, remove the voltmeter, return to "normal" mode.

### RF AGC Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "S08".
3. Set the data value to point where no noise or beat appears.
4. Select another channel to confirm that no noise or beat appears.

**Note 1 :** You will have to come out of the service mode to select another channel.

**Note 2 :** Setting the data to "00" will produce a black raster.

### Screen Adjustment

1. Connect a oscilloscope between TP854 and GND on the CRT Unit.
2. Receive a good local channel.
3. Enter the service mode and select the service adjustment "S03" and set the data value to "00" to set the color level to minimum. (Record original data code under adjustment "S03" before changing) You may skip this step, if you selected a B/W picture or monoscope pattern.
4. Select the service adjustment "S19" and adjust the data value to "01", this turn off the luminance signal (Y-mute).
5. Select the service adjustment "S04" and adjust data value to obtain 2.35 volts on the oscilloscope screen.
6. Adjust the master screen cotrol until the raster darkens to the point where raster is barely seen.
7. Adjust the service adjustments "S11" red, "S12" green and "S13" blue to obtain a good grey scale with normal whites at low brightness level.
8. Select the service adjustment "S19" and reset data to "00". Select the service adjustment "S03" and reset data to obtain normal color level.
9. Remove oscilloscope, and reset the master screen control to obtain normal brightness range.

### White Balance Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "S03" and set to "00" (minimum color)(Record original data code under adjustment "S03" before changing). "S03" does not have to be adjusted, if you selected a B/W picture or monoscope pattern.
3. Alternately adjust the service adjustment data of "S14" and "S15" until a good grey scale with normal whites is obtained.
4. Select the service adjustment "S03" and adjust data to obtain normal color level.

### Sub-Picture Adjustment

1. Receive a good local channel.
2. Make sure the customer picture control is set to maximum.
3. Enter the service mode and select the service adjustment "S01".
4. Adjust the data value to achieve normal contrast range.

### Sub-Tint Adjustment

1. Receive a good local channel.
2. Set customer tint control to center of it's range.
3. Enter the service mode and select the service adjustment "S02".
4. Adjust "S02" data value to obtain normal flesh tones.

### Sub-Color Adjustment

1. Receive a good local channel.
2. Make sure the customer color control is set to center position .
3. Enter the service mode and select service adjustment "S03".
4. Adjust "S03" data value to obtain normal color level.

### Sub-Brightness Adjustment

1. Receive a good local channel.
2. Make sure the customer brightness control is set to center position.
3. Enter the service mode and select the service adjustment "S04".
4. Adjust "S04" data value to obtain normal brightness level.

### Vertical-Size Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "S09".
3. While observing the top and bottom of the screen, adjust "S09" data value to proper vertical size.

### Vertical Phase Adjustment

1. Enter the service mode and select the service adjustment "S06".
2. Adjust data value to "00".

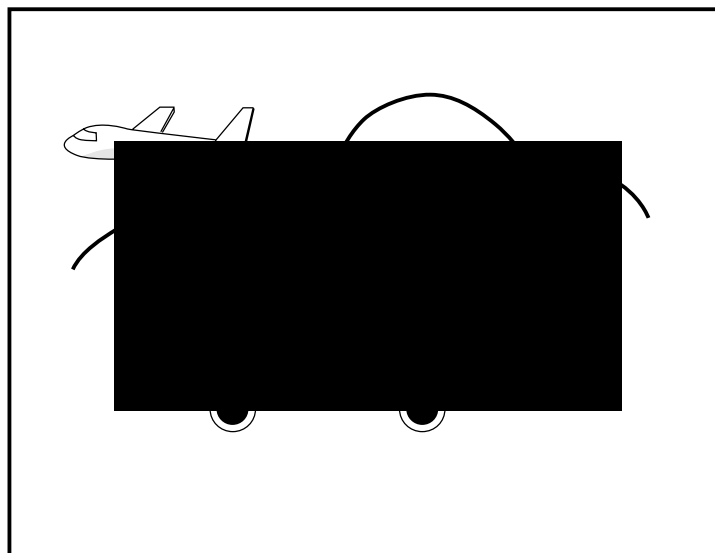
**Note:** This must be set "00" when changed data retrace line will appear.

### Horizontal Position Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "S07".
3. Adjust "S07" data value so that picture is centered.

### Caption Position Adjustment (Horizontal)

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "S18".
3. A black text box appears on the screen. (see **Figure B.** below)
4. Adjust "S18" data value so that text box is positioned in the center of the screen.



**Figure B.**

### 3.58MHz Trap Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "S16".
3. This is a two position adjustment, "00" is ON, "01" is OFF.
4. Adjust data value to "00" for normal viewing.

### Sharpness and Audio Balance Adjustments

1. Receive a good local channel.
2. Enter the service mode and select the service adjustments "S05" for sharpness and "S17" for balance.

#### • Sharpness Adjustment

3. Adjust data value to "28"(center of data range) for sharpness adjustment.

#### • Audio Balance Adjustment

4. Adjust data value to "20"(center of data range) for audio balance adjustment.

### Energy save offset Adjustment

1. Enter the service mode and select the service adjustment "S20".
2. Adjust data value to "23".

**Note :** This position is used to preset the level for the energy save function.

### Other Adjustments

1. Enter the service mode.
2. Adjust the following data values as listed below.

S21	"03"	DDE OFFSET
S22	"00"	OSD SETUP
S23	"00"	TUNER SETUP

## ■ MTS ADJUSTMENT

### MTS Level Adjustment

1. Feed the following monaural signal to pin (14) of IC3001.  
Monaural signal : 300Hz, 245mVrms
2. Connect the rms voltmeter to pin (39) of IC3001.
3. Enter the service mode and select the service adjustment "M01".
4. Adjust the data so that the rms voltmeter reads.  
Spec.:  $490 \pm 10\text{mVrms}$ .

### MTS VCO Adjustment

1. Keep the unit in no-signal state.
2. Connect the frequency counter to pin (39) of IC3001.
3. Connect a capacitor ( $100\mu\text{F}$ , 50V) in between positive(+) side of C3005 and ground.
4. Enter the service mode and select the service adjustment "M02"
5. Adjust the data so that the frequency counter reads.  
Spec.:  $62.94 \pm 0.75\text{kHz}$ .

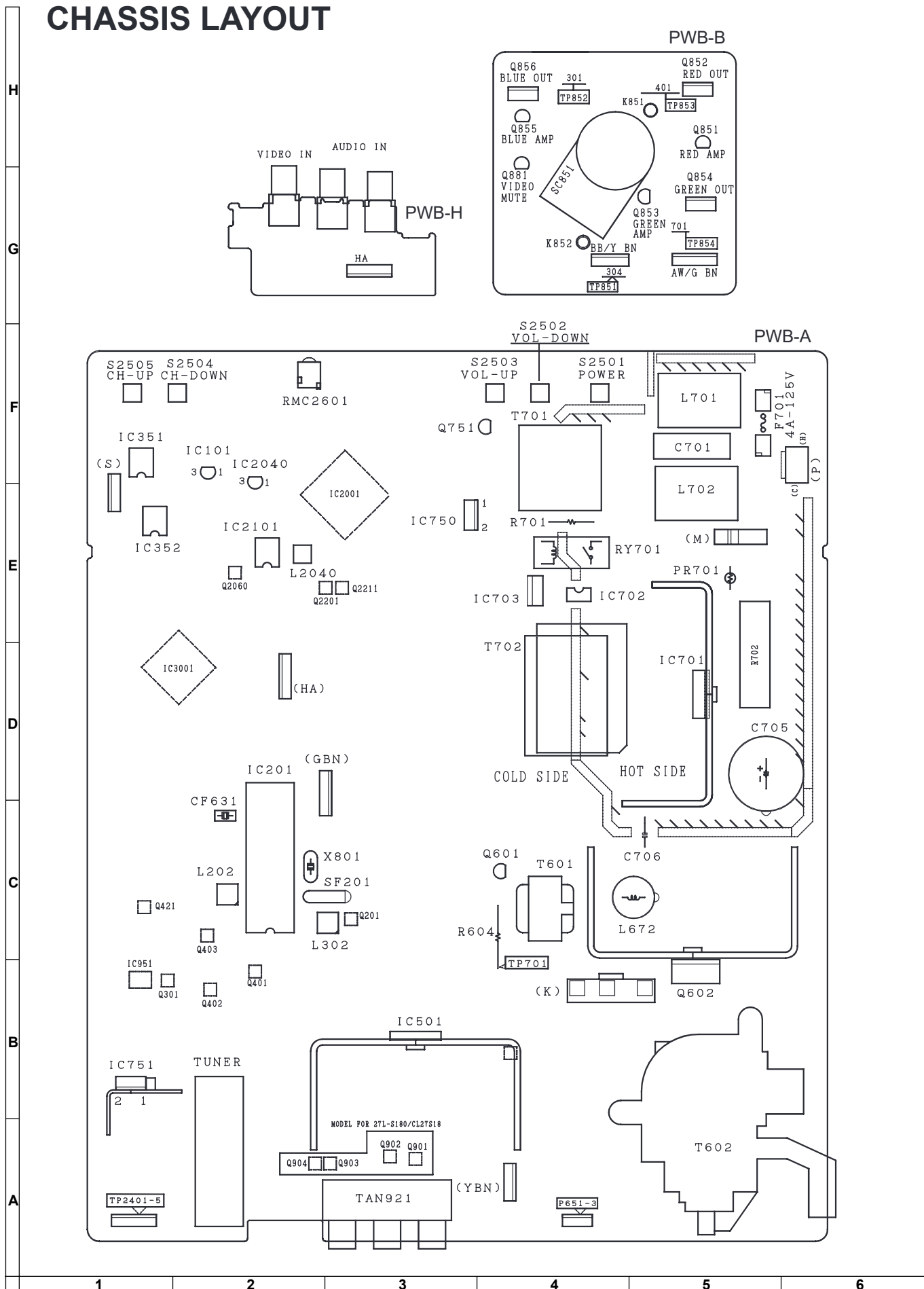
### Filter Adjustment

1. Feed the following stereo pilot signal to pin (14) of IC3001 .  
Stereo pilot signal: 9.4kHz, 600mVrms.
2. Enter the service mode and select the service adjustment "M03".
3. Adjust the data at the point where "OK" appears on the screen. The "OK" represents the approximate center of the adjustable range of the data.

### Separation Adjustment

1. Connect the rms voltmeter to pin (39) of IC3001.
2. Receive the following composite stereo signal 1.  
Composite stereo signal: 30% modulation, left channel only, noise reduction on, 300Hz
3. Enter the service mode and select the service adjustment "M04".
4. Adjust the data until the AC voltage reading of the rms voltmeter is minimum.
5. Receive the following composite stereo signal 2.  
Stereo signal: 30% modulation, left channel only, noise reduction on, 3kHz
6. Enter the service mode and select the service adjustment "M05".
7. Adjust the data until the AC voltage reading of the rms voltmeter is minimum.
8. Take the above steps 1 thru 8 again for fine adjustment.

# CHASSIS LAYOUT



# BLOCK DIAGRAM

The diagram illustrates the internal circuitry of a television receiver, organized into three main printed wiring board (PWB) sections: PWB-A, PWB-H, and PWB-B.

**Power Supply Section (Bottom):**

- Input: 120V AC.
- Transformer: T701, with primary 120V and secondary taps for 9V-B, 5V, 9V-A, and 12V-B.
- Rectifiers: D751, D752, D753, D754, D755, D756, D757, D758, D759, D760, D761, D762, D763, D764, D765, D766, D767, D768, D769, D770, D771, D772, D773, D774, D775, D776, D777, D778, D779, D780, D781, D782, D783, D784, D785, D786, D787, D788, D789, D790, D791, D792, D793, D794, D795, D796, D797, D798, D799, D800.
- Regulators: IC750 (9V), IC751 (9V), IC752 (9V), IC753 (9V), IC754 (9V), IC755 (9V), IC756 (9V), IC757 (9V), IC758 (9V), IC759 (9V), IC760 (9V), IC761 (9V), IC762 (9V), IC763 (9V), IC764 (9V), IC765 (9V), IC766 (9V), IC767 (9V), IC768 (9V), IC769 (9V), IC770 (9V), IC771 (9V), IC772 (9V), IC773 (9V), IC774 (9V), IC775 (9V), IC776 (9V), IC777 (9V), IC778 (9V), IC779 (9V), IC780 (9V), IC781 (9V), IC782 (9V), IC783 (9V), IC784 (9V), IC785 (9V), IC786 (9V), IC787 (9V), IC788 (9V), IC789 (9V), IC790 (9V), IC791 (9V), IC792 (9V), IC793 (9V), IC794 (9V), IC795 (9V), IC796 (9V), IC797 (9V), IC798 (9V), IC799 (9V), IC800 (9V).
- Filters: L701, L702, L703, L704, L705, L706, L707, L708, L709, L710, L711, L712, L713, L714, L715, L716, L717, L718, L719, L720, L721, L722, L723, L724, L725, L726, L727, L728, L729, L730, L731, L732, L733, L734, L735, L736, L737, L738, L739, L740, L741, L742, L743, L744, L745, L746, L747, L748, L749, L750, L751, L752, L753, L754, L755, L756, L757, L758, L759, L760, L761, L762, L763, L764, L765, L766, L767, L768, L769, L770, L771, L772, L773, L774, L775, L776, L777, L778, L779, L780, L781, L782, L783, L784, L785, L786, L787, L788, L789, L790, L791, L792, L793, L794, L795, L796, L797, L798, L799, L800.

**Video and Audio Processing Section (Middle):**

- Inputs: EXT. 1, EXT. 2, EXT. 3, EXT. 4, EXT. 5, EXT. 6, EXT. 7, EXT. 8, EXT. 9, EXT. 10, EXT. 11, EXT. 12, EXT. 13, EXT. 14, EXT. 15, EXT. 16, EXT. 17, EXT. 18, EXT. 19, EXT. 20, EXT. 21, EXT. 22, EXT. 23, EXT. 24, EXT. 25, EXT. 26, EXT. 27, EXT. 28, EXT. 29, EXT. 30, EXT. 31, EXT. 32, EXT. 33, EXT. 34, EXT. 35, EXT. 36, EXT. 37, EXT. 38, EXT. 39, EXT. 40, EXT. 41, EXT. 42, EXT. 43, EXT. 44, EXT. 45, EXT. 46, EXT. 47, EXT. 48, EXT. 49, EXT. 50, EXT. 51, EXT. 52, EXT. 53, EXT. 54, EXT. 55, EXT. 56, EXT. 57, EXT. 58, EXT. 59, EXT. 60, EXT. 61, EXT. 62, EXT. 63, EXT. 64, EXT. 65, EXT. 66, EXT. 67, EXT. 68, EXT. 69, EXT. 70, EXT. 71, EXT. 72, EXT. 73, EXT. 74, EXT. 75, EXT. 76, EXT. 77, EXT. 78, EXT. 79, EXT. 80.
- ICs: IC2001 (SYSTEM CONTROL), IC201 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC202 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC203 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC204 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC205 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC206 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC207 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC208 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC209 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC210 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC211 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC212 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC213 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC214 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC215 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC216 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC217 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC218 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC219 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC220 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC221 (P.T.F. SIF. CHROMA VIDEO DEFLECTION), IC222 (P.T.F. SIF. 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## DESCRIPTION OF SCHEMATIC DIAGRAM


### NOTES:

1. The unit of resistance "ohm" is omitted.  
( $K=k\Omega=1000\Omega$ ,  $M=M\Omega$ )
2. All resistors are 1/8 watt, unless otherwise noted.
3. All capacitors are  $\mu F$ , unless otherwise noted.  
( $P=pF=\mu\mu F$ )
4. (G) indicates  $\pm 2\%$  tolerance may be used.
5.  $\perp$  indicates line isolated ground.
6.  $\downarrow$  indicates hot ground.

### VOLTAGE MEASUREMENT CONDITIONS:

1. All DC voltages are measured with DVM connected between points indicated and chassis ground, line voltage set at 120V AC and all controls set for normal picture unless otherwise indicated.
2. All voltages measured with 1000 $\mu$  V B & W or Color signal.

### WAVEFORM MEASUREMENT CONDITIONS:

1. Photographs taken on a standard gated color bar signal, the tint setting adjusted for proper color. The wave shapes at the red, green and blue cathodes of the picture tube depend on the tint, color level and picture control.
2.  indicates waveform check points (See chart, waveforms are measured from point indicated to chassis ground.)

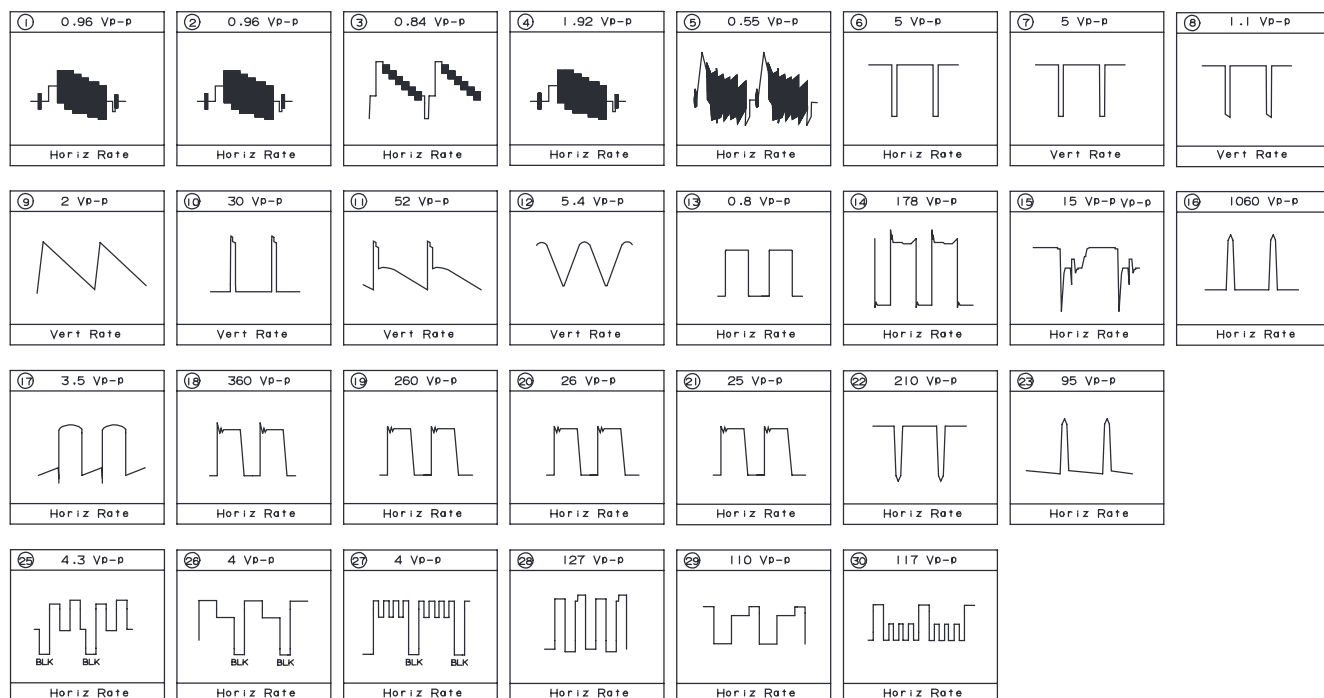
 AND SHADED (  ) COMPONENTS  
= SAFETY RELATED PARTS.

 MARK= X-RAY RELATED PARTS.

DRGANNES MARQUES  ET HACHRES (  ):  
PIECES RELATIVES A LA SECURITE.  
MARQUE  : PIECS RELATIVE AUX RAYONS X.

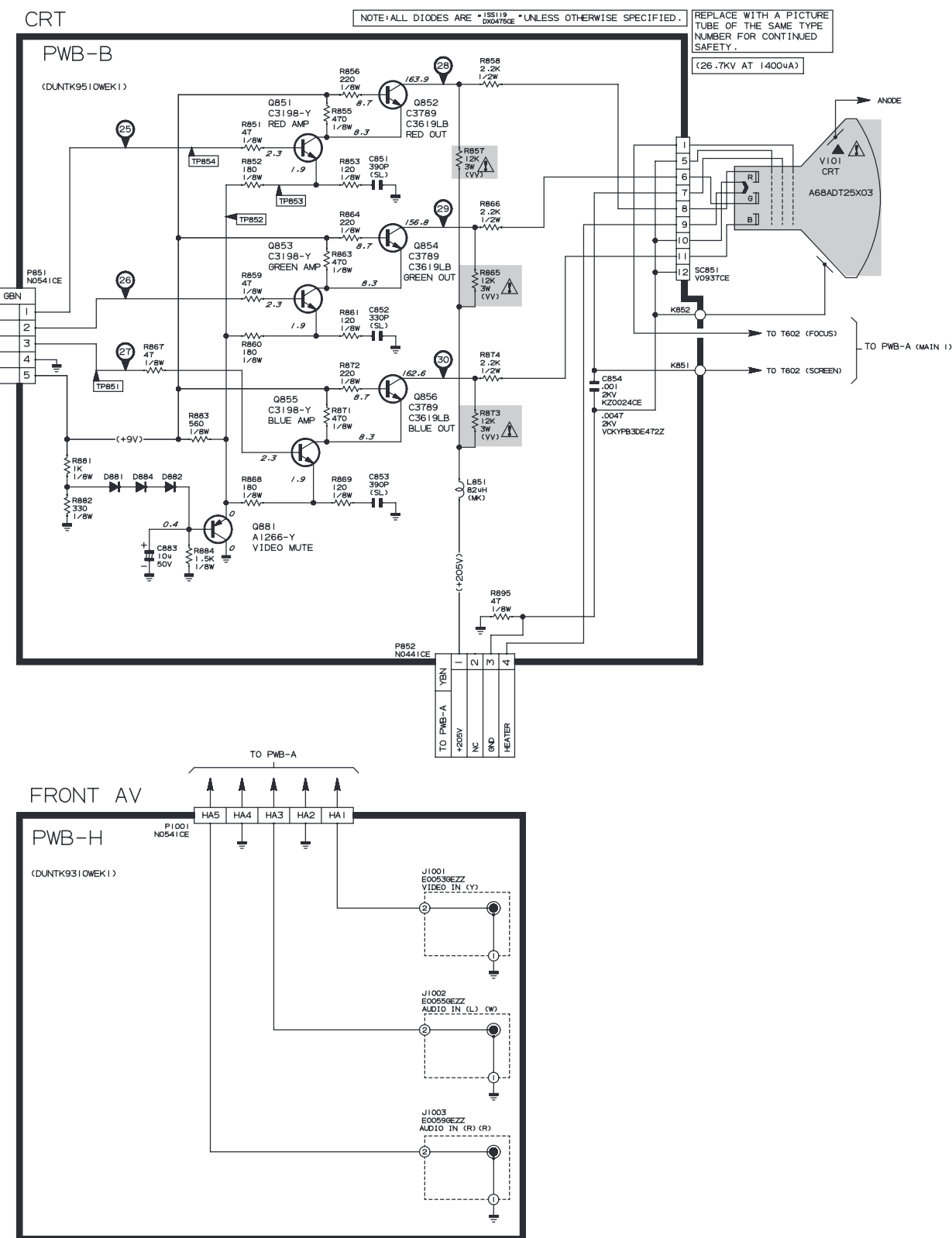
This circuit diagram is a standard one, printed circuits may be subject to change for product improvement without prior notice.

## WAVE FORMS

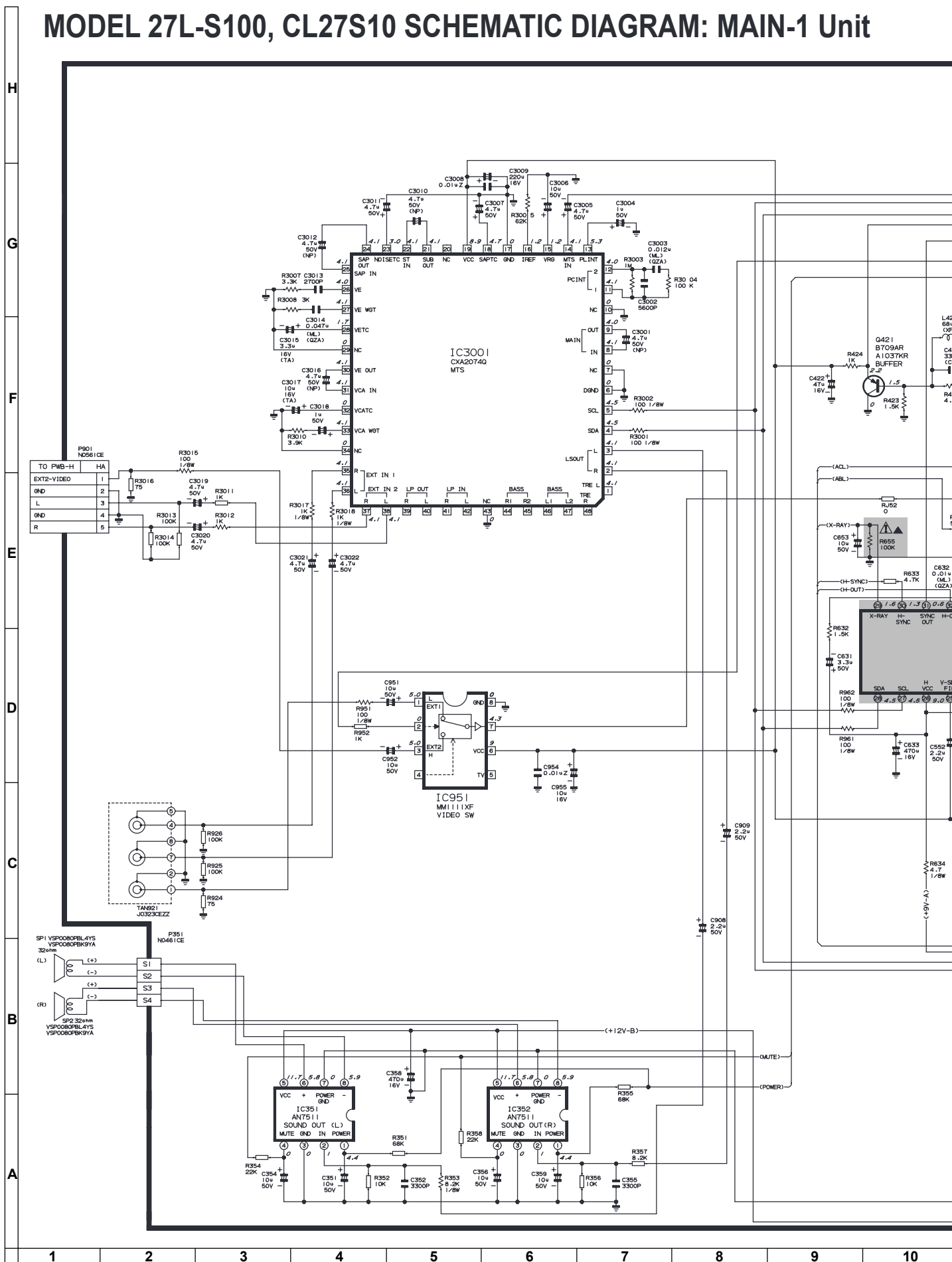




A	B	C	D	E	F	G	H
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# MODEL 27L-S100, CL27S10 SCHEMATIC DIAGRAM: MAIN-1 Unit

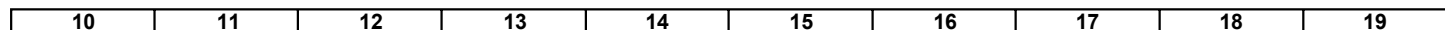


PWB-A  
UNTK9806WE

(NOTE)

 MEAN SELF RESISTOR

 MEAN SELF CAPACITORS



## DUNK9806WEK4

MEAN MELF RESISTOR

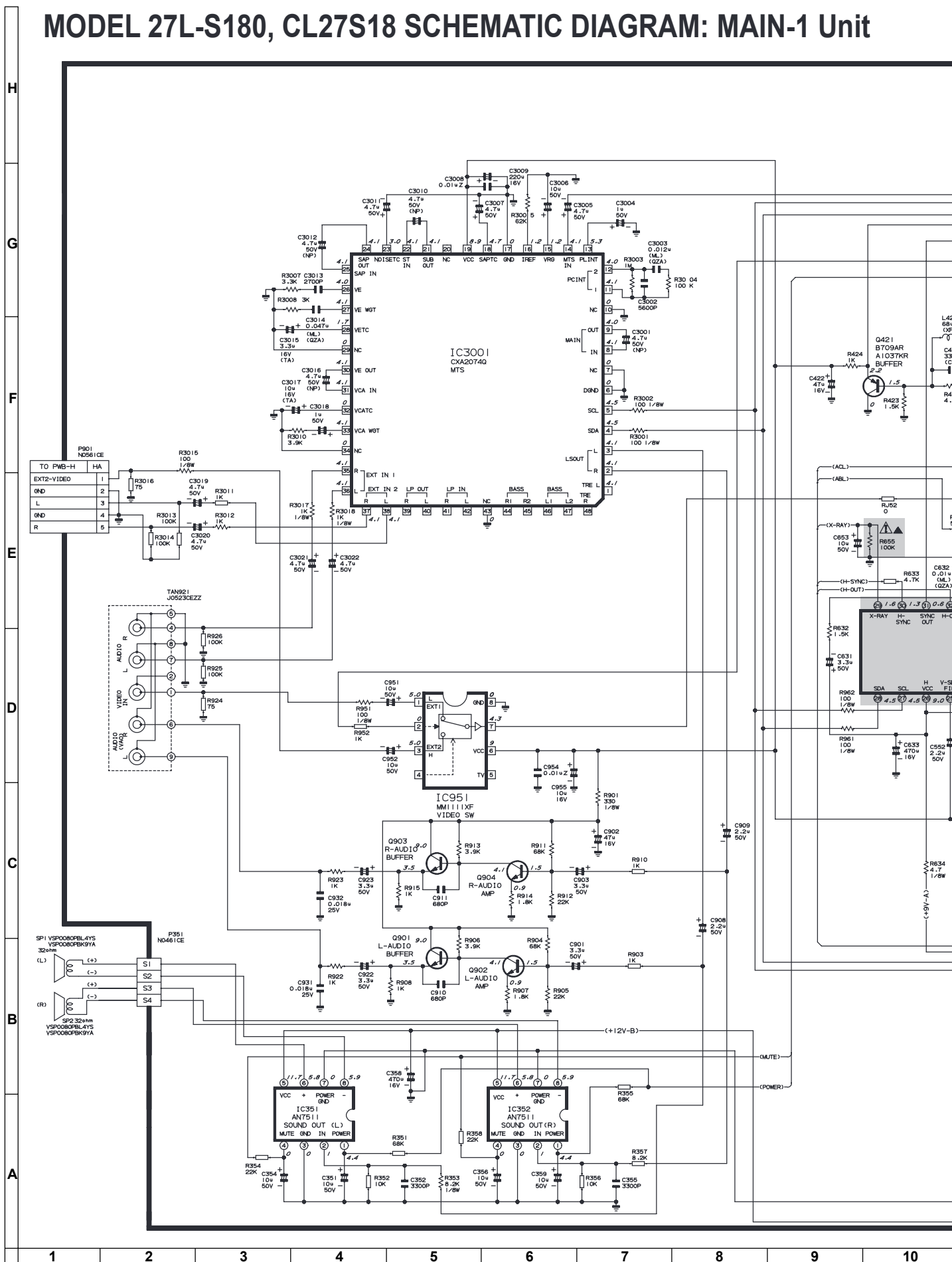
MEAN MELF CAPACITORS



The schematic diagram illustrates the internal circuitry of a color television, organized into several functional blocks:

- Power and Regulation:** Includes a +5V regulator (IC101, KA78S05P) and a +9V-B regulator (IC751, KA7809P1). It also features a vertical output stage (IC501, TAB427K) and a horizontal output stage (Q602, 2D539).
- Video and Audio Processing:** Contains video amplifiers (Q2201, D601AR V-REVERSE), audio amplifiers (Q2211, D601AR H-REVERSE), and a video detector (Q2201, D601AR V-REVERSE).
- Color and Sync:** Includes a color decoder (IC702, FX0034CE), a color killer (IC703, SE120N ERROR AMP), and sync separator (T702, Z001TME SWITCHING).
- Control and Timing:** Features a line sync separator (T702, Z001TME SWITCHING), a line sync separator (T702, Z001TME SWITCHING), and a line sync separator (T702, Z001TME SWITCHING).
- Output Stages:** Includes a vertical output stage (IC501, TAB427K), a horizontal output stage (Q602, 2D539), and a video output stage (Q2201, D601AR V-REVERSE).
- Other Components:** Various resistors (R2501, R2502, R2503, R2504, R2505, R2506, R2507, R2508, R2509, R2510, R2511, R2512, R2513, R2514, R2515, R2516, R2517, R2518, R2519, R2520, R2521, R2522, R2523, R2524, R2525, R2526, R2527, R2528, R2529, R2530, R2531, R2532, R2533, R2534, R2535, R2536, R2537, R2538, R2539, R2540, R2541, R2542, R2543, R2544, R2545, R2546, R2547, R2548, R2549, R2550, R2551, R2552, R2553, R2554, R2555, R2556, R2557, R2558, R2559, R2560, R2561, R2562, R2563, R2564, R2565, R2566, R2567, R2568, R2569, R2570, R2571, R2572, R2573, R2574, R2575, R2576, R2577, R2578, R2579, R2580, R2581, R2582, R2583, R2584, R2585, R2586, R2587, R2588, R2589, R2590, R2591, R2592, R2593, R2594, R2595, R2596, R2597, R2598, R2599, R2600, R2601, R2602, R2603, R2604, R2605, R2606, R2607, R2608, R2609, R2610, R2611, R2612, R2613, R2614, R2615, R2616, R2617, R2618, R2619, R2620, R2621, R2622, R2623, R2624, R2625, R2626, R2627, R2628, R2629, R2630, R2631, R2632, R2633, R2634, R2635, R2636, R2637, R2638, R2639, R2640, R2641, R2642, R2643, R2644, R2645, R2646, R2647, R2648, R2649, R2650, R2651, R2652, R2653, R2654, R2655, R2656, R2657, R2658, R2659, R2660, R2661, R2662, R2663, R2664, R2665, R2666, R2667, R2668, R2669, R2670, R2671, R2672, R2673, R2674, R2675, R2676, R2677, R2678, R2679, R2680, R2681, R2682, R2683, R2684, R2685, R2686, R2687, R2688, R2689, R2690, R2691, R2692, R2693, R2694, R2695, R2696, R2697, R2698, R2699, R2700, R2701, R2702, R2703, R2704, R2705, R2706, R2707, R2708, R2709, R2710, R2711, R2712, R2713, R2714, R2715, R2716, R2717, R2718, R2719, R2720, R2721, R2722, R2723, R2724, R2725, R2726, R2727, R2728, R2729, R2730, R2731, R2732, R2733, R2734, R2735, R2736, R2737, R2738, R2739, R2740, R2741, R2742, R2743, R2744, R2745, R2746, R2747, R2748, R2749, R2750, R2751, R2752, R2753, R2754, R2755, R2756, R2757, R2758, R2759, R2760, R2761, R2762, R2763, R2764, R2765, R2766, R2767, R2768, R2769, R2770, R2771, R2772, R2773, R2774, R2775, R2776, R2777, R2778, R2779, R2780, R2781, R2782, R2783, R2784, R2785, R2786, R2787, R2788, R2789, R2790, R2791, R2792, R2793, R2794, R2795, R2796, R2797, R2798, R2799, R2800, R2801, R2802, R2803, R2804, R2805, R2806, R2807, R2808, R2809, R2810, R2811, R2812, R2813, R2814, R2815, R2816, R2817, R2818, R2819, R2820, R2821, R2822, R2823, R2824, R2825, R2826, R2827, R2828, R2829, R2830, R2831, R2832, R2833, R2834, R2835, R2836, R2837, R2838, R2839, R2840, R2841, R2842, R2843, R2844, R2845, R2846, R2847, R2848, R2849, R2850, R2851, R2852, R2853, R2854, R2855, R2856, R2857, R2858, R2859, R2860, R2861, R2862, R2863, R2864, R2865, R2866, R2867, R2868, R2869, R2870, R2871, R2872, R2873, R2874, R2875, R2876, R2877, R2878, R2879, R2880, R2881, R2882, R2883, R2884, R2885, R2886, R2887, R2888, R2889, R2890, R2891, R2892, R2893, R2894, R2895, R2896, R2897, R2898, R2899, R2900, R2901, R2902, R2903, R2904, R2905, R2906, R2907, R2908, R2909, R2910, R2911, R2912, R2913, R2914, R2915, R2916, R2917, R2918, R2919, R2920, R2921, R2922, R2923, R2924, R2925, R2926, R2927, R2928, R2929, R2930, R2931, R2932, R2933, R2934, R2935, R2936, R2937, R2938, R2939, R2940, R2941, R2942, R2943, R2944, R2945, R2946, R2947, R2948, R2949, R2950, R2951, R2952, R2953, R2954, R2955, R2956, R2957, R2958, R2959, R2960, R2961, R2962, R2963, R2964, R2965, R2966, R2967, R2968, R2969, R2970, R2971, R2972, R2973, R2974, R2975, R2976, R2977, R2978, R2979, R2980, R2981, R2982, R2983, R2984, R2985, R2986, R2987, R2988, R2989, R2990, R2991, R2992, R2993, R2994, R2995, R2996, R2997, R2998, R2999, R3000, R3001, R3002, R3003, R3004, R3005, R3006, R3007, R3008, R3009, R3010, R3011, R3012, R3013, R3014, R3015, R3016, R3017, R3018, R3019, R3020, R3021, R3022, R3023, R3024, R3025, R3026, R3027, R3028, R3029, R3030, R3031, R3032, R3033, R3034, R3035, R3036, R3037, R3038, R3039, R3040, R3041, R3042, R3043, R3044, R3045, R3046, R3047, R3048, R3049, R3050, R3051, R3052, R3053, R3054, R3055, R3056, R3057, R3058, R3059, R3060, R3061, R3062, R3063, R3064, R3065, R3066, R3067, R3068, R3069, R3070, R3071, R3072, R3073, R3074, R3075, R3076, R3077, R3078, R3079, R3080, R3081, R3082, R3083, R3084, R3085, R3086, R3087, R3088, R3089, R3090, R3091, R3092, R3093, R3094, R3095, R3096, R3097, R3098, R3099, R3100, R3101, R3102, R3103, R3104, R3105, R3106, R3107

## MODEL 27L-S180, CL27S18 SCHEMATIC DIAGRAM: MAIN-1 Unit



NOTE: ALL DIODES ARE "1SS119" UNLESS OTHERWISE SPECIFIED.  
ALL TRANSISTORS ARE "2SC2412" OR "2SD601AR" UNLESS OTHERWISE SPECIFIED.

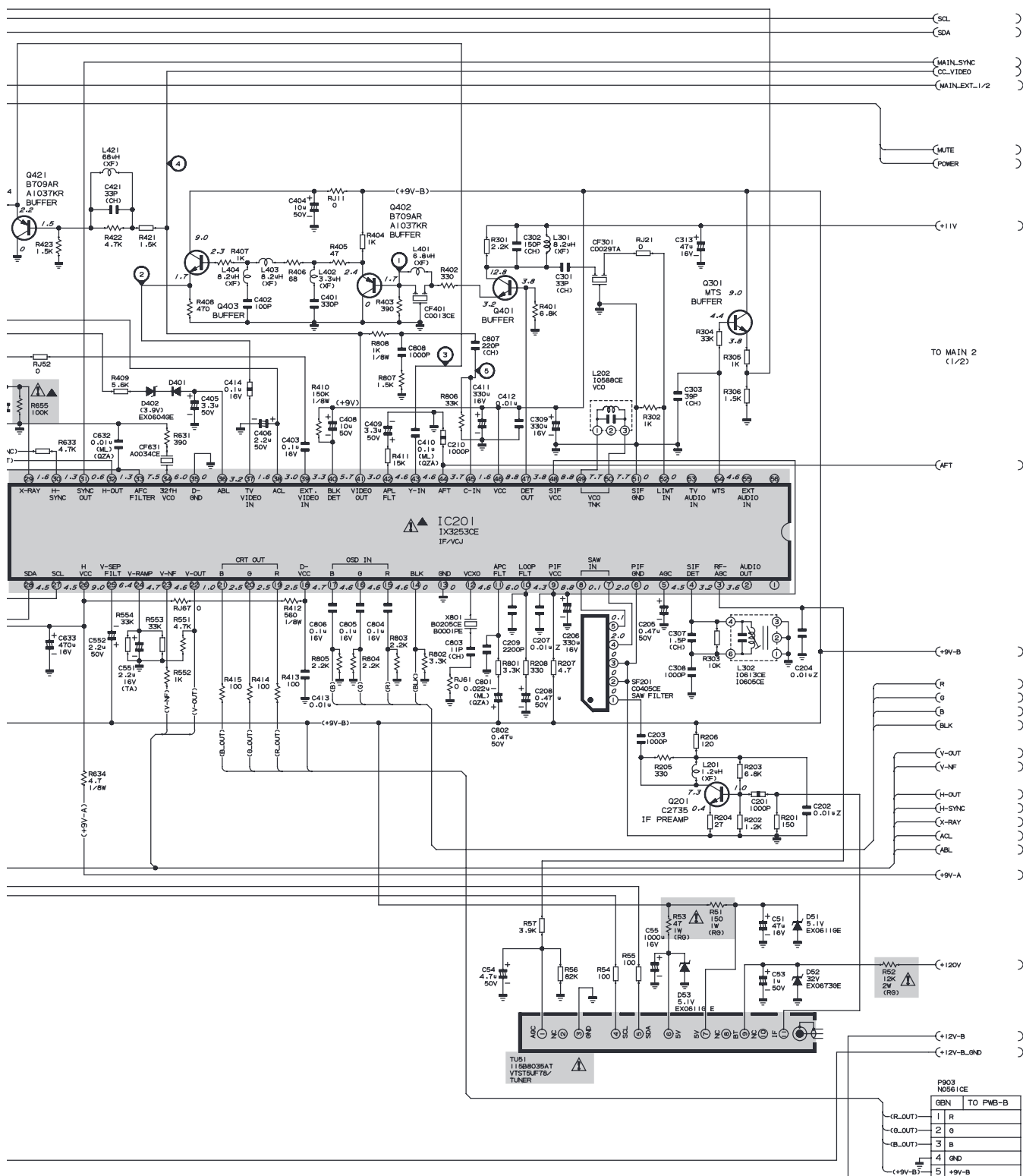
PWB-A

DUNT9806WEK5

(NOTE)

MEAN THERM RESISTOR

MEAN THERM CAPACITORS

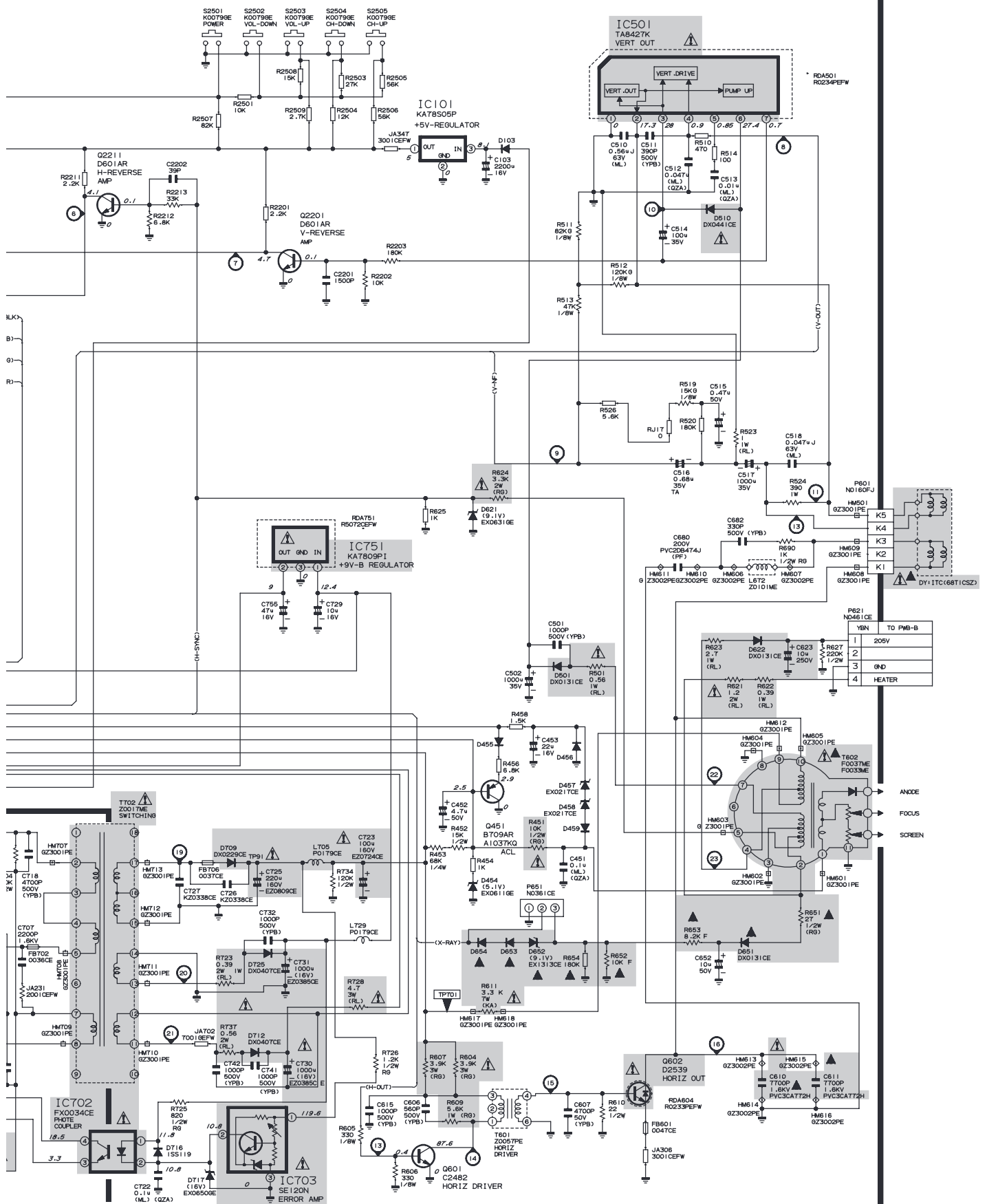




<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>
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NOTE: ALL DIODES ARE "1SS119" UNLESS OTHERWISE SPECIFIED.  
\*ALL TRANSISTORS ARE "2SC2412" OR "2SD601AR" UNLESS OTHERWISE SPECIFIED.

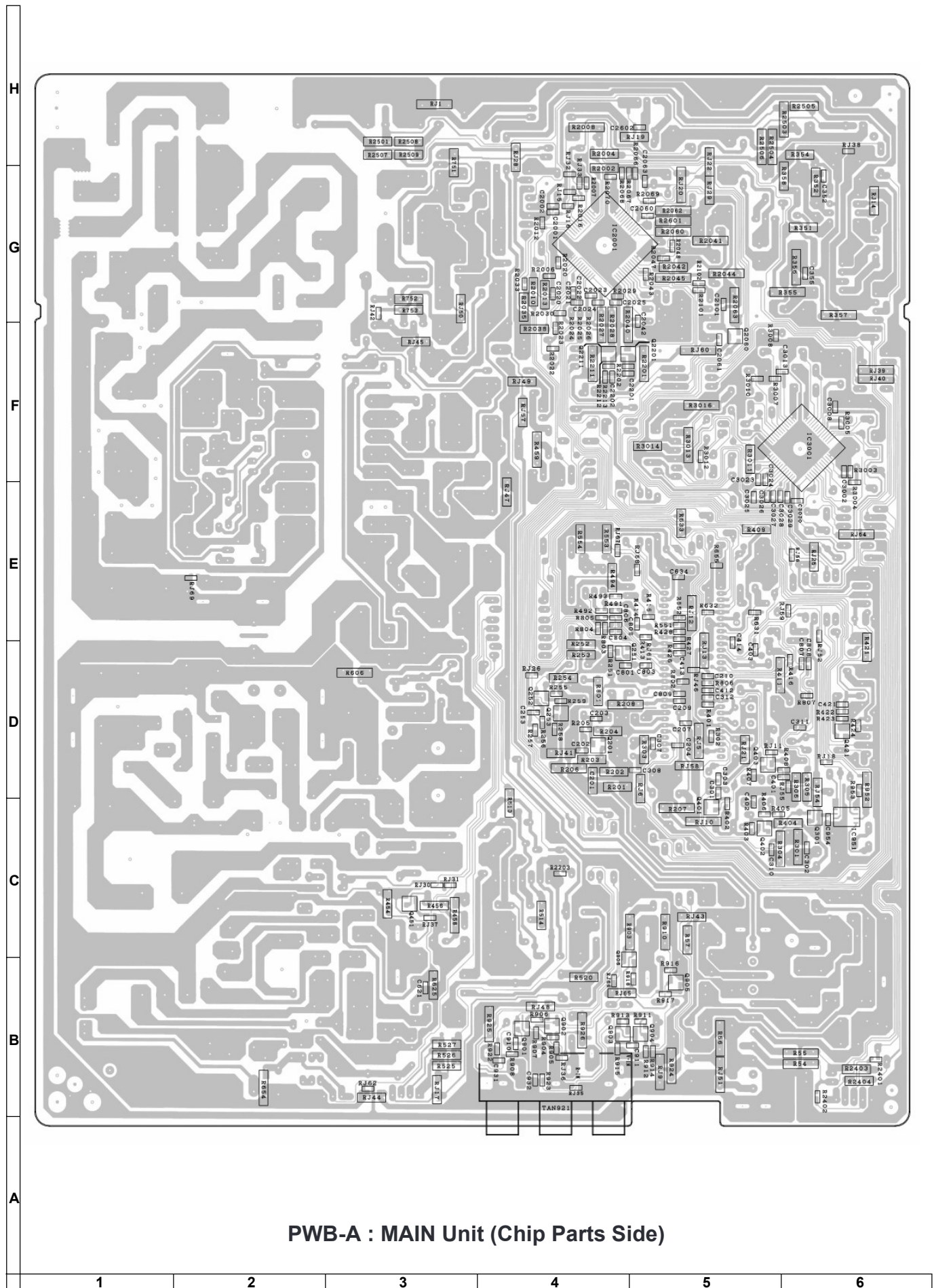


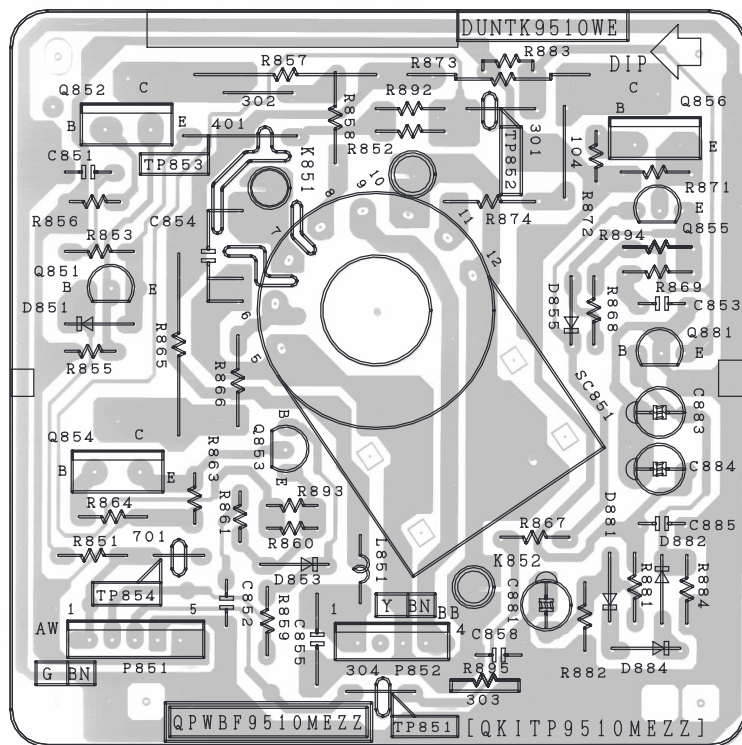
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A	
B	
C	
D	
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G	
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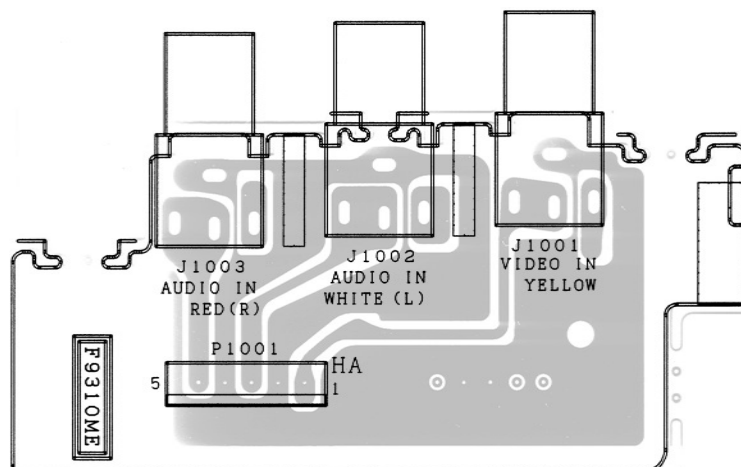








**PWB-B : CRT Unit (Wiring Side)**



**PWB-H : FRONT AV Unit (Wiring Side)**

# PARTS LIST

## PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual; electrical components having such features are identified by  $\Delta$  and shaded areas in the Replacement Parts Lists and Schematic Diagrams. The use of a substitute replacement part which does not have the same safety characteristic as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

### "HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

- |                 |                |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO.    |
| 3. PART NO.     | 4. DESCRIPTION |

in **USA**: Contact your nearest SHARP Parts Distributor to order.  
For location of SHARP Parts Distributor, Please call Toll-Free; 1-800-BE-SHARP

★ MARK: SPARE PARTS-DELIVERY SECTION

▲ MARK: X- RAY RELATED PARTS

Ref. No.	Part No.	★	Description	Code
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## PICTURE TUBE

▲ $\Delta$ V101	VB68ADT2503*S	M	Picture Tube (I.T.C.)	CN
▲ L703	RCiLG0038MEZZ	M	Degaussing Coil	AQ
	MSPRT0002MEZZ	M	Spring for CRT	AA
	QEARC2702MEZZ	M	Grounding Part	AH

## PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

PWB-A DUNTK9806WEK4	—	MAIN Unit	—
		(27L-S100, CL27S10)	
PWB-A DUNTK9806WEK5	—	MAIN Unit	—
		(27L-S180, CL27S18)	
PWB-B DUNTK9510WEK1	—	CRT Unit	—
PWB-C DUNTK9310WEK1	—	FRONT AV Unit	—

# LISTE DES PIECES

## CHANGE DES PIECES

Les pièces de rechange qui présentent ces caractéristiques spéciales de sécurité, sont identifiées dans ce manuel : les pièces électriques qui présentent ces particularités, sont repérées par la marque  $\Delta$  et sont hachurées dans les listes de pièces et dans les diagrammes schématisés.

La substitution d'une pièce de rechange par une autre qui ne présente pas les mêmes caractéristiques de sécurité que la pièce recommandée par l'usine et dans ce manuel de service, peut provoquer une électrocution, un incendie ou tout autre sinistre.

### "COMMENT COMMANDER LES PIECES DE RECHANGE"

Pour que votre commande soit rapidement et correctement remplie, veuillez fournir les renseignements suivants.

- |                     |                |
|---------------------|----------------|
| 1. NUMERO DU MODELE | 2. NO. DE REF  |
| 3. NO. DE PIECE     | 4. DESCRIPTION |

in **CANADA**: Contact SHARP Electronics of Canada Limited  
Phone (416) 890-2100

★MARQUE: SECTION LIVRAISON DES PIECES DE RECHANGE

▲ MARQUE: PIECES RELATIVE AUX RAYONS X

Ref. No.	Part No.	★	Description	Code
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**PWB-A: DUNTK9806WEK4 (27L-S100, CL27S10)**

**PWB-A: DUNTK9806WEK5 (27L-S180, CL27S18)**

## MAIN UNIT

### TUNER

**NOTE: THE PARTS HERES SHOWN ARE SUPPLIED  
AS AN ASSEMBLY NOT INDEPENDENTLY.**

▲ TU51	VTU115B8035AT	M	Tuner
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## INTEGRATED CIRCUITS

IC101	VHiKA78S05P-1	J	KA78S05P	AD
▲ $\Delta$ IC201	RH-iX3253CEZZ	J	TA1268AN	AV
IC351	VHiAN7511/-1	J	I.C.	AK
IC352	VHiAN7511/-1	J	I.C.	AK
▲ IC501	VHiTA8427K/-1	J	TA8427K	AL
▲ IC701	VHiSTRF66261E	J	STR-F6626	AX
IC702	RH-FX0034CEZZ	J	PC817	AE
▲ IC703	VHiSE120N/-1	J	SE120N	AG
▲ IC750	VHiKA7809Pi-1	M	KA7809PI	AE
▲ IC751	VHiKA7809Pi-1	M	KA7809PI	AE
IC951	VHiMM1111XF1E	J	MM1111XFBE	AE
IC2001	RH-iX3256CEZZ	J	TMPA8701CMF142	
IC2040	VHiKA7045P-1	J	KIA7045P	AD
IC2101	VHiM24C01B/-1	J	M24C01-BN6	AF
IC3001	VHiCXA2074Q-1	J	CXA2074Q	AY

## TRANSISTORS

Q201	VS2SC2735//1E	J	2SC2735	AC
Q301	VS2SD601AR/-1	J	2SD601	AC
Q401	VS2SD601AR/-1	J	2SD601	AC
Q402	VS2SB709AR/-1	J	2SB709	AC
Q403	VS2SD601AR/-1	J	2SD601	AC
Q421	VS2SB709AR/-1	J	2SB709	AC
Q451	VS2SB709AR/-1	J	2SB709	AC
Q601	VS2SC2482//1E	J	2SC2482	AD
▲ Q602	VS2SD2539//1E	J	2SD2539	
Q751	VS2SC3198-Y-1	J	2SC3198(Y)	AA



Ref. No.	Part No.	★	Description	Code
<b>PWB-A: DUNTK9806WEK4 (27L-S100, CL27S10)</b>				
<b>PWB-A: DUNTK9806WEK5 (27L-S180, CL27S18)</b>				
<b>MAIN UNIT (Continued)</b>				
Q901	VS2SD601AR/-1	J	2SD601 (27L-S180, CL27S18)	AC
Q902	VS2SD601AR/-1	J	2SD601 (27L-S180, CL27S18)	AC
Q903	VS2SD601AR/-1	J	2SD601 (27L-S180, CL27S18)	AC
Q904	VS2SD601AR/-1	J	2SD601 (27L-S180, CL27S18)	AC
Q2060	VS2SD601AR/-1	J	2SD601	AC
Q2201	VS2SD601AR/-1	J	2SD601	AC
Q2211	VS2SD601AR/-1	J	2SD601	AC

**DIODES**

D51	RH-EX0611GEZZ	J	Zener Diode	AA
D52	RH-EX0673GEZZ	J	Zener Diode	AB
D53	RH-EX0611GEZZ	J	Zener Diode	AA
D103	VHD1SS119//1	J	Diode	AB
D401	VHD1SS119//1	J	Diode	AB
D402	RH-EX0604GEZZ	J	Zener Diode	AB
D454	RH-EX0611GEZZ	J	Zener Diode	AA
D455	VHD1SS119//1	J	Diode	AB
D456	VHD1SS119//1	J	Diode	AB
D457	RH-EX0217CEZZ	J	Zener Diode	AB
D458	RH-EX0217CEZZ	J	Zener Diode	AB
D459	VHD1SS119//1	J	Diode	AB
△ D501	RH-DX0131CEZZ	J	Diode	AC
△ D510	RH-DX0441CEZZ	J	Diode	AC
D621	RH-EX0631GEZZ	J	Zener Diode	AA
D622	RH-DX0131CEZZ	J	Diode	AC
▲△ D651	RH-DX0131CEZZ	J	Diode	AC
▲△ D652	RH-EX1313CEZZ	M	Zener Diode, 9.1V	AB
▲△ D653	VHD1SS119//1	J	Diode	AB
▲△ D654	VHD1SS119//1	J	Diode	AB
△ D701	RH-DX0154CEZZ	J	Diode	AC
△ D702	RH-DX0154CEZZ	J	Diode	AC
△ D703	RH-DX0154CEZZ	J	Diode	AC
△ D704	RH-DX0154CEZZ	J	Diode	AC
D705	VHD1SS82///1A	J	Diode	AC
D706	RH-DX0066GEZZ	J	Diode	AB
D707	VHD1SS82///1A	J	Diode	AC
D708	RH-DX0066GEZZ	J	Diode	AB
△ D709	RH-DX0229CEZZ	J	Diode	AF
△ D712	RH-DX0407CEZZ	J	Diode	AD
△ D713	RH-EX0673GEZZ	J	Zener Diode	AB
△ D715	RH-EX0610GEZZ	J	Zener Diode	AA
D716	VHD1SS119//1	J	Diode	AB
D717	RH-EX0650GEZZ	J	Zener Diode	AB
△ D725	RH-DX0407CEZZ	J	Diode	AD
△ D751	RH-DX0441CEZZ	J	Diode	AC
△ D752	RH-DX0441CEZZ	J	Diode	AC
△ D753	RH-DX0441CEZZ	J	Diode	AC
△ D754	RH-DX0441CEZZ	J	Diode	AC
D755	VHD1SS119//1	J	Diode	AB
△ D756	RH-DX0441CEZZ	J	Diode	AC
D2001	VHD1SS119//1	J	Diode	AB
D2011	RH-EX0611GEZZ	J	Zener Diode	AA

**PACKAGED CITCUITS**

△ PR701	RMPTP0092CEZZ	J	Packaged Circuit	AH
X801	RCRSB0205CEZZ	J	Crystal	AF

**FILTERS**

CF301	RFILC0029TAZZ	J	Ceramic Filter	AD
CF401	RFILC0013CEZZ	J	Ceramic Filter	AE
CF631	RFILA0034CEZZ	J	Ceramic Filter	AD
CF2040	RFILC0121GEZZ	J	Ceramic Filter	AD
SF201	RFILC0405CEZZ	J	SAW Filter	AH

**COILS**

L201	VP-XF1R2K0000	J	Peaking 1.2μH	AB
L202	RCiLi0588CEZZ	J	IF Coil	AF
L301	VP-XF8R2K0000	J	Peaking 8.2μH	AB
L302	RCiLi0613CEZZ	J	IF Coil	AE
L401	VP-XF6R8K0000	J	Peaking 6.8μH	AB
L402	VP-XF3R3K0000	J	Peaking 3.3μH	AB
L403	VP-XF8R2K0000	J	Peaking 8.2μH	AB
L404	VP-XF8R2K0000	J	Peaking 8.2μH	AB
L421	VP-XF680K0000	J	Peaking 68μH	AB
L672	RCiLZ0101MEZZ	M	Coil	AE
△ L701	RCiLF0025PEZZ	M	Coil	AE
△ L702	RCiLF0025PEZZ	M	Coil	AE
△ L705	RCiLP0179CEZZ	J	Coil	AD
L729	RCiLP0179CEZZ	J	Coil	AD
L2040	RCiLB0159CEZZ	J	Oscillation Coil	AE

**TRANSFORMERS**

T601	RTRNZ0057PEZZ	R	Transformer	AK
△ T602	RTRNF0033MEZZ	M	H-Volt Transformer	AY
△ T701	RTRNP0543CEZZ	J	Power Transformer	AM
△ T702	RTRNZ0017MEZZ	M	Transformer	AM

**CAPACITORS**

[EL... Electrolytic, M-Poly... Metalized Polypro Film]

C51	VCEA0A1CW476M	J	47	16V	EL.	AB
C53	VCEA0A1HW105M	J	1.0	50V	EL.	AB
C54	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C55	VCEA0A1CW108M	J	1000	16V	EL.	AD
C103	VCEA0A1CW228M	M	2200	16V	EL.	AC
C201	VCKYMN1HB102K	J	1000p	50V	Ceramic	AA
C202	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C203	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C204	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C205	VCEA0A1HW474M	J	0.47	50V	EL.	AB
C206	VCEA0A1CW337M	J	330	16V	EL.	AC
C207	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C208	VCEA0A1HW474M	J	0.47	50V	EL.	AB
C209	VCKYCY1HB222K	J	2200p	50V	Ceramic	AA
C210	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C301	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C302	VCCCCY1HH151J	J	150p	50V	Ceramic	AA
C303	VCCCCY1HH390J	J	39p	50V	Ceramic	AA
C307	VCCCCY1HH1R5C	J	1.5p	50V	Ceramic	AD
C308	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C309	VCEA0A1CW337M	J	330	16V	EL.	AC
C313	VCEA0A1CW476M	J	47	16V	EL.	AB
C351	VCEA0A1HW106M	J	10	50V	EL.	AB
C352	VCKYCY1HB332K	J	3300p	50V	Ceramic	AA
C354	VCEA0A1HW106M	J	10	50V	EL.	AB
C355	VCKYCY1HB332K	J	3300p	50V	Ceramic	AA
C356	VCEA0A1HW106M	J	10	50V	EL.	AB
C358	VCEA0A1CW477M	J	470	16V	EL.	AC
C359	VCEA0A1HW106M	J	10	50V	EL.	AB
C401	VCKYCY1HB331K	J	330p	50V	Ceramic	AA
C402	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C403	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C404	VCEA0A1HW106M	J	10	50V	EL.	AB
C405	VCEA0A1HW335M	J	3.3	50V	EL.	AB
C406	VCEA0A1HW225M	J	2.2	50V	EL.	AB
C408	VCEA0A1HW106M	J	10	50V	EL.	AB
C409	VCEA0A1HW335M	J	3.3	50V	EL.	AB
C410	RC-QZA104TAYK	J	0.1	50V	Mylar	AB
C411	VCEA0A1CW337M	J	330	16V	EL.	AC
C412	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C413	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C414	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C421	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C422	VCEA0A1CW476M	J	47	16V	EL.	AB
C451	RC-QZA104TAYK	J	0.1	50V	Mylar	AB
C452	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C453	VCEA0A1CW226M	J	22	16V	EL.	AB



Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
<b>PWB-A: DUNTK9806WEK4 (27L-S100, CL27S10)</b>					C922	VCEA0A1HW335M	J 3.3	50V EL. (27L-S180, CL27S18)	AB
<b>PWB-A: DUNTK9806WEK5 (27L-S180, CL27S18)</b>					C923	VCEA0A1HW335M	J 3.3	50V EL. (27L-S180, CL27S18)	AB
<b>MAIN UNIT (Continued)</b>					C931	VCKYCY1EB183K	J 0.018	25V Ceramic (27L-S180, CL27S18)	AA
C501	VCKYPA2HB102K	J	1000p 500V	Ceramic AA	C932	VCKYCY1EB183K	J 0.018	25V Ceramic (27L-S180, CL27S18)	AA
C502	VCEA0A1VW108M	J	1000 35V	EL. AD	C951	VCEA0A1HW106M	J 10	50V EL.	AB
C510	VCFYSA1JA564J	J	0.56 63V	Mylar AE	C952	VCEA0A1HW106M	J 10	50V EL.	AB
C511	VCKYPA2HB391K	J	390p 500V	Ceramic AA	C954	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C512	RC-QZA473TAYK	J	0.047 50V	Mylar AB	C955	VCEA0A1CW106M	J 10	16V EL.	AB
C513	RC-QZA103TAYK	J	0.01 50V	Mylar AA	C2001	VCCCCY1HH101J	J 100p	50V Ceramic	AA
C514	VCEA0A1VW107M	J	100 35V	EL. AC	C2002	VCCCCY1HH101J	J 100p	50V Ceramic	AA
C515	VCEA0A1HW474M	J	0.47 50V	EL. AB	C2040	VCEA0A1AW107M	J 100	10V EL.	AB
C516	VCSATA1VE684K	J	0.68 35V	Tantalum AC	C2041	VCEA0A1HW105M	J 1.0	50V EL.	AB
C517	VCEA0A1VW108M	J	1000 35V	EL. AD	C2060	VCKYCY1CB104K	J 0.1	16V Ceramic	AB
C518	VCFYSA1JA473J	J	0.047 63V	Mylar AC	C2061	VCCCCY1HH101J	J 100p	50V Ceramic	AA
C551	VCSATA1CE225K	J	2.2 16V	Tantalum AB	C2062	VCEA0A1AW107M	J 100	10V EL.	AB
C552	VCEA0A1HW225M	J	2.2 50V	EL. AB	C2201	VCKYCY1HB152K	J 1500p	50V Ceramic	AA
C606	VCKYPA2HB561K	J	560p 500V	Ceramic AA	C2202	VCCCCY1HH390J	J 39p	50V Ceramic	AA
C607	VCKYPA1HB472K	J	4700p 50V	Ceramic AA	C2601	VCEA0A1HW475M	J 4.7	50V EL.	AB
▲▲ C610	VCFPVC3CA772H	M	7700p 1.6kV	M-Poly.	C2602	VCCCCY1HH101J	J 100p	50V Ceramic	AA
▲▲ C611	VCFPVC3CA772H	M	7700p 1.6kV	M-Poly.	C3001	VCE9GA1HW475M	J 4.7	50V EL.(N.P)	AB
C615	VCKYPA2HB102K	J	1000p 500V	Ceramic AA	C3002	VCKYCY1HB562K	J 5600p	50V Ceramic	AA
C623	VCEA4A2EN106M	J	10 250V	EL. AD	C3003	RC-QZA123TAYK	J 0.012	50V Mylar	AB
C631	VCEA0A1HW335M	J	3.3 50V	EL. AB	C3004	VCEA0A1HW105M	J 1.0	50V EL.	AB
C632	RC-QZA103TAYK	J	0.01 50V	Mylar AA	C3005	VCEA0A1HW475M	J 4.7	50V EL.	AB
C633	VCEA0A1CW477M	J	470 16V	EL. AC	C3006	VCEA0A1HW106M	J 10	50V EL.	AB
C652	VCEA0A1HW106M	J	10 50V	EL. AB	C3007	VCEA0A1HW475M	J 4.7	50V EL.	AB
C653	VCEA0A1HW106M	J	10 50V	EL. AB	C3008	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C680	VCFPVC2DB474J	M	0.47 200V	M-Poly.	C3009	VCEA0A1CW227M	J 220	16V EL.	AC
C682	VCKYPA2HB331K	J	330p 500V	Ceramic AA	C3010	VCE9GA1HW475M	J 4.7	50V EL.(N.P)	AB
△ C701	RC-FZ017SCEZZ	J	0.22 AC250V	Plastic AD	C3011	VCEA0A1HW475M	J 4.7	50V EL.	AB
C702	RC-KZ0029CEZZ	J	0.01 AC250V	Ceramic AC	C3012	VCE9GA1HW475M	J 4.7	50V EL.(N.P)	AB
C703	RC-KZ0029CEZZ	J	0.01 AC250V	Ceramic AC	C3013	VCKYCY1HB272K	J 2700p	50V Ceramic	AA
△ C705	RC-EZ0800CEZZ	J	560 200V	EL. AQ	C3014	RC-QZA473TAYK	J 0.047	50V Mylar	AB
△ C706	RC-KZ0092GEZZ	J	0.0033 AC250V	Ceramic AC	C3015	VCSATA1CE335K	J 3.3	16V Tantalum	AC
C707	VCFPVC3CA222H	J	2200p 1.6kV	M-Poly. AE	C3016	VCE9GA1HW475M	J 4.7	50V EL.(N.P)	AB
C708	VCCSPA1HL471J	J	470p 50V	Ceramic AA	C3017	VCSATA1CE106K	J 10	16V Tantalum	AD
C709	VCEA0A1VW107M	J	100 35V	EL. AC	C3018	VCEA0A1HW105M	J 1.0	50V EL.	AB
C710	RC-QZA102TAYJ	J	1000p	Mylar AB	C3019	VCEA0A1HW475M	J 4.7	50V EL.	AB
C717	VCKYPA2HB472K	J	4700p 500V	Ceramic AB	C3020	VCEA0A1HW475M	J 4.7	50V EL.	AB
C718	VCKYPA2HB472K	J	4700p 500V	Ceramic AB	C3021	VCEA0A1HW475M	J 4.7	50V EL.	AB
C722	RC-QZA104TAYK	J	0.1 50V	Mylar AB	C3022	VCEA0A1HW475M	J 4.7	50V EL.	AB
△ C723	RC-EZ0724CEZZ	J	100 160V	EL. AG	<b>RESISTORS</b>				
△ C725	RC-EZ0809CEZZ	J	220 160V	EL. AL	[M-Ox. ... Metal Oxide, M-Film ... Metal Film]				
C726	RC-KZ0338CEZZ	J	Capacitor	AD	RJ1	VRD-MN2BE000J	J 0	1/8W Carbon	AA
C727	RC-KZ0338CEZZ	J	Capacitor	AD	RJ9	VRD-MN2BE000J	J 0	1/8W Carbon	AA
C729	VCEA0A1CW106M	J	10 16V	EL. AB	RJ10	VRD-MN2BE000J	J 0	1/8W Carbon	AA
△ C730	RC-EZ0385CEZZ	J	1000 15V	EL. AE	RJ11	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
△ C731	RC-EZ0385CEZZ	J	1000 15V	EL. AE	RJ12	VRD-MN2BE000J	J 0	1/8W Carbon	AA
C732	VCKYPA2HB102K	J	1000p 500V	Ceramic AA	RJ13	VRD-MN2BE000J	J 0	1/8W Carbon	AA
C741	VCKYPA2HB102K	J	1000p 500V	Ceramic AA	RJ14	VRD-MN2BE000J	J 0	1/8W Carbon	AA
C742	VCKYPA2HB102K	J	1000p 500V	Ceramic AA	RJ15	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
C753	VCEA0A1CW107M	J	100 16V	EL. AC	RJ16	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
C755	VCEA0A1CW476M	J	47 16V	EL. AB	RJ17	VRD-MN2BE000J	J 0	1/8W Carbon	AA
C772	VCEA0A1VW477M	J	470 35V	EL. AB	RJ19	VRD-MN2BE000J	J 0	1/8W Carbon	AA
C801	RC-QZA223TAYK	J	0.022 50V	Mylar AB	RJ20	VRD-MN2BE000J	J 0	1/8W Carbon	AA
C802	VCEA0A1HW474M	J	0.47 50V	EL. AB	RJ21	VRD-MN2BE000J	J 0	1/8W Carbon	AA
C803	VCCCCY1HH110J	J	11p 50V	Ceramic AA	RJ22	VRD-MN2BE000J	J 0	1/8W Carbon	AA
C804	VCKYCY1CB104K	J	0.1 16V	Ceramic AB	RJ25	VRD-MN2BE000J	J 0	1/8W Carbon	AA
C805	VCKYCY1CB104K	J	0.1 16V	Ceramic AB	RJ26	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
C806	VCKYCY1CB104K	J	0.1 16V	Ceramic AB	RJ28	VRD-MN2BE000J	J 0	1/8W Carbon	AA
C807	VCCCCY1HH221J	J	220p 50V	Ceramic AA	RJ29	VRD-MN2BE000J	J 0	1/8W Carbon	AA
C808	VCKYCY1HB102K	J	1000p 50V	Ceramic AA	RJ30	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
C901	VCEA0A1HW335M	J	3.3 50V	EL. AB	RJ31	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
C902	VCEA0ACW476M	J	47 16V	EL. AB	RJ32	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
C903	VCEA0A1HW335M	J	3.3 50V	EL. AB	RJ35	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
C908	VCEA0A1HW225M	J	2.2 50V	EL. AB	RJ36	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
C909	VCEA0A1HW225M	J	2.2 50V	EL. AB	RJ37	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
C910	VCKYCY1HB681K	J	680p 50V	Ceramic AA	RJ38	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA
C911	VCKYCY1HB681K	J	680p 50V	Ceramic AA	RJ39	VRD-MN2BE000J	J 0	1/8W Carbon	AA
			(27L-S180, CL27S18)		RJ40	VRD-MN2BE000J	J 0	1/8W Carbon	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code		
PWB-A: DUNTK9806WEK4 (27L-S100, CL27S10)					△	R501	VRN-RL3ABR56J	J 0.56 1W	M-Film	AA	
PWB-A: DUNTK9806WEK5 (27L-S180, CL27S18)						R510	VRD-MN2BE471J	J 470 1/8W	Carbon	AA	
MAIN UNIT (Continued)						R511	VRD-RA2BE823G	J 82k 1/8W	Carbon	AB	
RJ41	VRD-MN2BE000J	J 0	1/8W	Carbon	AA	R512	VRD-RA2BE124G	J 120k 1/8W	Carbon	AA	
RJ42	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA	R513	VRD-RA2BE473J	J 47k 1/8W	Carbon	AA	
RJ43	VRD-MN2BE000J	J 0	1/8W	Carbon	AA	R514	VRD-MN2BE101J	J 100 1/8W	Carbon	AA	
RJ46	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA	R519	VRD-RA2BE153G	J 15k 1/8W	Carbon	AA	
RJ48	VRD-MN2BE000J	J 0	1/8W	Carbon	AA	R520	VRD-MN2BE184J	J 180k 1/8W	Carbon	AA	
RJ49	VRD-MN2BE000J	J 0	1/8W	Carbon	AA	R523	VRN-RL3AB1R0J	M 1.0 1W	M-Film		
RJ50	VRD-MN2BE000J	J 0	1/8W	Carbon	AA	R524	VRS-RG3AB391J	J 390 1W	M-Ox.	AA	
RJ51	VRD-MN2BE000J	J 0	1/8W	Carbon	AA	R526	VRD-MN2BE562J	J 5.6k 1/8W	Carbon	AA	
RJ52	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA	R551	VRS-CY1JF472J	J 4.7k 1/16W	M-Ox.	AA	
RJ54	VRD-MN2BE000J	J 0	1/8W	Carbon	AA	R552	VRS-CY1JF102J	J 1.0k 1/16W	M-Ox.	AA	
RJ55	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA	R553	VRD-MN2BE333J	J 33k 1/8W	Carbon	AA	
RJ57	VRD-MN2BE000J	J 0	1/8W	Carbon	AA	R554	VRD-MN2BE333J	J 33k 1/8W	Carbon	AA	
RJ58	VRD-MN2BE000J	J 0	1/8W	Carbon	AA	△	R604	VRS-RG3LB392J	M 3.9k 3.0W	M-Ox.	
RJ60	VRD-MN2BE000J	J 0	1/8W	Carbon	AA	R605	VRD-RA2BE331J	J 330 1/8W	Carbon	AA	
RJ61	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA	R606	VRD-RA2BE331J	J 330 1/8W	Carbon	AA	
RJ63	VRD-MN2BE000J	J 0	1/8W	Carbon	AA	△	R607	VRS-RG3LB392J	M 3.9k 3.0W	M-Ox.	
RJ64	VRD-MN2BE000J	J 0	1/8W	Carbon	AA	△	R609	VRS-RG3AB562J	M 5.6k 1W	M-Ox.	
RJ67	VRS-CY1JF000J	J 0	1/16W	M-Ox.	AA	R610	VRD-RM2HD220J	J 22 1/2W	Carbon	AA	
△	R51	VRS-RG3AB151J	M 150 1W	M-Ox.		△	R611	VRS-KA3NG3R3K	J 3.3 7.0W	M-Ox.	AD
△	R52	VRS-RG3DB123J	J 12k 2W	M-Ox.	AA	R621	VRN-RL3DB1R2J	M 1.2 2W	M-Film		
△	R53	VRS-RG3AB470J	J 47 1W	M-Ox.	AA	R622	VRN-RL3ABR39J	M 0.39 1W	M-Film		
R54	VRD-MN2BE101J	J 100 1/8W	Carbon	AA	△	R623	VRN-RL3AB2R7J	M 2.7 1W	M-Film	AA	
R55	VRD-MN2BE101J	J 100 1/8W	Carbon	AA		R624	VRS-RG3DB332J	J 3.3k 2W	M-Ox.		
R56	VRD-MN2BE823J	J 82k 1/8W	Carbon	AA		R625	VRD-MN2BE102J	J 1.0k 1/8W	Carbon	AA	
R57	VRD-MN2BE392J	J 3.9k 1/8W	Carbon	AA		R627	VRD-RM2HD224J	J 220k 1/2W	Carbon	AA	
R201	VRD-MN2BE151J	J 150 1/8W	Carbon	AA		R631	VRS-CY1JF391J	J 390 1/16W	M-Ox.	AA	
R202	VRD-MN2BE122J	J 1.2k 1/8W	Carbon	AA		R632	VRS-CY1JF152J	J 1.5k 1/16W	M-Ox.	AA	
R203	VRD-MN2BE682J	J 6.8k 1/8W	Carbon	AA		R633	VRD-MN2BE472J	J 4.7k 1/8W	Carbon	AA	
R204	VRD-MN2BE270J	J 27 1/8W	Carbon	AA		R634	VRD-RA2BE4R7J	J 4.7 1/8W	Carbon	AA	
R205	VRS-CY1JF331J	J 330 1/16W	M-Ox.	AA	▲△	R651	VRS-RG2HC270J	M 27 1/2W	M-Ox.	AA	
R206	VRD-MN2BE121J	J 120 1/8W	Carbon	AA	▲△	R652	VRN-RA2BK103F	J 10k 1/8W	M-Film	AA	
R207	VRD-MN2BE4R7J	J 4.7 1/8W	Carbon	AA	▲△	R653	VRN-RA2BK822F	J 8.2k 1/8W	M-Film	AA	
R208	VRD-MN2BE331J	J 330 1/8W	Carbon	AA	▲△	R654	VRD-MN2BE184J	J 180k 1/8W	Carbon	AA	
R301	VRD-MN2BE222J	J 2.2k 1/8W	Carbon	AA	▲△	R655	VRS-CY1JF104J	J 100k 1/16W	M-Ox.	AA	
R302	VRS-CY1JF102J	J 1.0k 1/16W	M-Ox.	AA		R690	VRS-RG2HC102J	J 1.0k 1/2W	M-Ox.	AA	
R303	VRD-MN2BE103J	J 10k 1/8W	Carbon	AA	△	R701	RR-HZ0048CEZZ	J 3.9M 1/2W		AB	
R304	VRD-MN2BE333J	J 33k 1/8W	Carbon	AA	△	R702	VRW-KQ3NC1R2K	J 1.2 7.0W	Cement	AE	
R305	VRD-MN2BE102J	J 1.0k 1/8W	Carbon	AA		R704	VRD-RM2HD154J	J 150k 1/2W	Carbon	AA	
R306	VRD-MN2BE152J	J 1.5k 1/8W	Carbon	AA	△	R705	VRN-RL3DBR22J	J 0.22 2W	M-Film	AA	
R351	VRD-MN2BE683J	J 68k 1/8W	Carbon	AA	△	R706	VRN-RL3DBR27J	M 0.27 2W	M-Film		
R352	VRD-MN2BE103J	J 10k 1/8W	Carbon	AA		R707	VRS-RG2HC681J	J 680 1/2W	M-Ox.	AA	
R353	VRD-RA2BE822J	J 8.2k 1/8W	Carbon	AA	△	R709	VRN-GA2EB1R0J	J 1.0 1/4W	M-Film	AA	
R354	VRD-MN2BE223J	J 22k 1/8W	Carbon	AA		R710	VRD-RM2HD470J	J 47 1/2W	Carbon	AA	
R355	VRD-MN2BE683J	J 68k 1/8W	Carbon	AA		R711	VRD-RA2BE242J	J 2.4k 1/8W	Carbon	AA	
R356	VRD-MN2BE103J	J 10k 1/8W	Carbon	AA	△	R715	VRS-RG3DB153J	J 15k 2W	M-Ox.	AA	
R357	VRD-MN2BE822J	J 8.2k 1/8W	Carbon	AA	△	R723	VRN-RL3DBR39J	M 0.39 2W	M-Film		
R358	VRD-MN2BE223J	J 22k 1/8W	Carbon	AA		R724	VRS-RG2HC332J	J 3.3k 1/2W	M-Ox.	AA	
R401	VRS-CY1JF682J	J 6.8k 1/16W	M-Ox.	AA		R725	VRS-RG2HC821J	M 820 1/2W	M-Ox.		
R402	VRS-CY1JF331J	J 330 1/16W	M-Ox.	AA	△	R726	VRS-RG2HC122J	M 1.2k 1/2W	M-Ox.		
R403	VRS-CY1JF391J	J 390 1/16W	M-Ox.	AA		R727	VRD-RA2BE271J	J 270 1/8W	Carbon	AA	
R404	VRD-MN2BE102J	J 1.0k 1/8W	Carbon	AA	△	R728	VRN-RL3LB4R7J	M 4.7 3.0W	M-Film		
R405	VRS-CY1JF470J	J 47 1/16W	M-Ox.	AA		R734	VRD-RM2HD124J	J 120k 1/2W	Carbon	AA	
R406	VRS-CY1JF680J	J 68 1/16W	M-Ox.	AA	△	R737	VRN-RL3DBR56J	M 0.56 2W	M-Film		
R407	VRS-CY1JF102J	J 1.0k 1/16W	M-Ox.	AA		R751	VRD-MN2BE473J	J 47k 1/8W	Carbon	AA	
R408	VRS-CY1JF471J	J 470 1/16W	M-Ox.	AA		R801	VRD-MN2BE332J	J 3.3k 1/8W	Carbon	AA	
R409	VRD-MN2BE562J	J 5.6k 1/8W	Carbon	AA		R802	VRS-CY1JF332J	J 3.3k 1/16W	M-Ox.	AA	
R410	VRD-RA2BE154J	J 150k 1/8W	Carbon	AA		R803	VRS-CY1JF222J	J 2.2k 1/16W	M-Ox.	AA	
R411	VRD-MN2BE153J	J 15k 1/8W	Carbon	AA		R804	VRS-CY1JF222J	J 2.2k 1/16W	M-Ox.	AA	
R412	VRD-RA2BE561J	J 560 1/8W	Carbon	AA		R805	VRS-CY1JF222J	J 2.2k 1/16W	M-Ox.	AA	
R413	VRS-CY1JF101J	J 100 1/16W	M-Ox.	AA		R806	VRS-CY1JF333J	J 33k 1/16W	M-Ox.	AA	
R414	VRS-CY1JF101J	J 100 1/16W	M-Ox.	AA		R807	VRS-CY1JF152J	J 1.5k 1/16W	M-Ox.	AA	
R415	VRS-CY1JF101J	J 100 1/16W	M-Ox.	AA		R808	VRD-RA2BE102J	J 1.0k 1/8W	Carbon	AA	
R421	VRD-MN2BE152J	J 1.5k 1/8W	Carbon	AA		R901	VRD-RA2BE331J	J 330 1/8W	Carbon	AA	
R422	VRS-CY1JF472J	J 4.7k 1/16W	M-Ox.	AA						(27L-S180, CL27S18)	
R423	VRS-CY1JF152J	J 1.5k 1/16W	M-Ox.	AA		R903	VRD-MN2BE102J	J 1.0k 1/8W	Carbon	AA	
R424	VRS-CY1JF102J	J 1.0k 1/16W	M-Ox.	AA						(27L-S180, CL27S18)	
△	R451	VRS-RG2HC103J	J 10k 1/2W	M-Ox.	AA	R904	VRS-CY1JF683J	J 68k 1/16W	M-Ox.	AA	
	R452	VRD-RM2HD153J	J 15k 1/2W	Carbon	AA					(27L-S180, CL27S18)	
	R453	VRD-RA2EE683J	J 68k 1/4W	Carbon	AA	R905	VRS-CY1JF223J	J 22k 1/16W	M-Ox.	AA	
	R454	VRD-MN2BE102J	J 1.0k 1/8W	Carbon	AA					(27L-S180, CL27S18)	
	R456	VRD-MN2BE682J	J 6.8k 1/8W	Carbon	AA	R906	VRS-CY1JF392J	J 3.9k 1/16W	M-Ox.	AA	
	R458	VRD-MN2BE152J	J 1.5k 1/8W	Carbon	AA					(27L-S180, CL27S18)	

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
<b>PWB-A: DUNTK9806WEK4 (27L-S100, CL27S10)</b>									
<b>PWB-A: DUNTK9806WEK5 (27L-S180, CL27S18)</b>									
<b>MAIN UNIT (Continued)</b>									
R907	VRS-CY1JF182J	J	1.8k 1/16W M-Ox.	AA	R2401	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R908	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	R2402	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R910	VRD-MN2BE102J	J	1.0k 1/8W Carbon	AA	R2403	VRD-MN2BE101J	J	100 1/8W Carbon	AA
R911	VRS-CY1JF683J	J	68k 1/16W M-Ox.	AA	R2404	VRD-MN2BE101J	J	100 1/8W Carbon	AA
R912	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA	R2501	VRD-MN2BE103J	J	10k 1/8W Carbon	AA
R913	VRS-CY1JF392J	J	3.9k 1/16W M-Ox.	AA	R2503	VRD-MN2BE273J	J	27k 1/8W Carbon	AA
R914	VRS-CY1JF182J	J	1.8k 1/16W M-Ox.	AA	R2504	VRD-MN2BE123J	J	12k 1/8W Carbon	AA
R915	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	R2505	VRD-MN2BE563J	J	56k 1/8W Carbon	AA
R922	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	R2506	VRD-MN2BE563J	J	56k 1/8W Carbon	AA
R923	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	R2507	VRD-MN2BE823J	J	82k 1/8W Carbon	AA
R924	VRD-MN2BE750J	J	75 1/8W Carbon	AA	R2508	VRD-MN2BE153J	J	15k 1/8W Carbon	AA
R925	VRD-MN2BE104J	J	100k 1/8W Carbon	AA	R2509	VRD-MN2BE272J	J	2.7k 1/8W Carbon	AA
R926	VRD-MN2BE104J	J	100k 1/8W Carbon	AA	R2601	VRD-RA2BE331J	J	330 1/8W Carbon	AA
R951	VRD-RA2BE101J	J	100 1/8W Carbon	AB	R3001	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R952	VRD-MN2BE102J	J	1.0k 1/8W Carbon	AA	R3002	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R961	VRD-RA2BE101J	J	100 1/8W Carbon	AB	R3003	VRS-CY1JF105J	J	1.0M 1/16W M-Ox.	AA
R962	VRD-RA2BE101J	J	100 1/8W Carbon	AB	R3004	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
R2001	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA	R3005	VRS-CY1JF623J	J	62k 1/16W M-Ox.	AA
R2002	VRD-MN2BE103J	J	10k 1/8W Carbon	AA	R3007	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA
R2004	VRD-MN2BE101J	J	100 1/8W Carbon	AA	R3008	VRS-CY1JF302J	J	3.0k 1/16W M-Ox.	AA
R2006	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R3010	VRS-CY1JF392J	J	3.9k 1/16W M-Ox.	AA
R2008	VRD-MN2BE224J	J	220k 1/8W Carbon	AA	R3011	VRD-MN2BE102J	J	1.0k 1/8W Carbon	AA
R2009	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA	R3012	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R2010	VRD-MN2BE102J	J	1.0k 1/8W Carbon	AA	R3013	VRD-MN2BE104J	J	100k 1/8W Carbon	AA
R2012	VRS-CY1JF471J	J	470 1/16W M-Ox.	AA	R3014	VRD-MN2BE104J	J	100k 1/8W Carbon	AA
R2020	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA	R3015	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R2022	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R3016	VRD-MN2BE750J	J	75 1/8W Carbon	AA
R2024	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA	R3017	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R2025	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA	R3018	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R2026	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA	<b>SWITCHES</b>				
R2027	VRD-MN2BE682J	J	6.8k 1/8W Carbon	AA	S2501	QSW-K0079GEZZ	J	Power	AB
R2028	VRD-MN2BE102J	J	1.0k 1/8W Carbon	AA	S2502	QSW-K0079GEZZ	J	Vol-down	AB
R2029	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	S2503	QSW-K0079GEZZ	J	Vol-up	AB
R2030	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	S2504	QSW-K0079GEZZ	J	CH-down	AB
R2032	VRD-RA2BE103J	J	10k 1/8W Carbon	AA	S2505	QSW-K0079GEZZ	J	CH-up	AB
R2035	VRD-MN2BE223J	J	22k 1/8W Carbon	AA	<b>MISCELLANEOUS PARTS</b>				
R2040	VRD-MN2BE102J	J	1.0k 1/8W Carbon	AA	△ RY701	RRLYJ0081CEZZ	J	Relay	AL
R2041	VRD-MN2BE333J	J	33k 1/8W Carbon	AA	△ F701	QFS-B4023CEZZ	J	Fuse, 4A 125V	AC
R2042	VRD-MN2BE101J	J	100 1/8W Carbon	AA	FB601	RBLN-0047CEZZ	J	Ferrite Bead	AB
R2043	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA	FB702	RBLN-0036CEZZ	J	Ferrite Bead	AB
R2044	VRD-MN2BE682J	J	6.8k 1/8W Carbon	AA	FB704	RBLN-0037CEZZ	J	Ferrite Bead	AB
R2045	VRD-MN2BE101J	J	100 1/8W Carbon	AA	FB706	RBLN-0037CEZZ	J	Ferrite Bead	AB
R2046	VRD-RA2BE101J	J	100 1/8W Carbon	AB	FH701	QFSDH1013CEZZ	J	Fuse Holder	AC
R2047	VRS-CY1JF221J	J	220 1/16W M-Ox.	AA	FH702	QFSDH1014CEZZ	J	Fuse Holder	AC
R2048	VRS-CY1JF562J	J	5.6k 1/16W M-Ox.	AA	P351	QPLGN0461CEZZ	J	Plug, 4-pin (S)	AB
R2060	VRD-MN2BE221J	J	220 1/8W Carbon	AA	P601	QPLGN0160FJZZ	J	Plug, 5-pin (K)	AD
R2061	VRD-MN2BE562J	J	5.6k 1/8W Carbon	AA	P621	QPLGN0461CEZZ	J	Plug, 4-pin (YBN)	AB
R2062	VRD-MN2BE183J	J	18k 1/8W Carbon	AA	P651	QPLGN0361CEZZ	J	Plug, 3-pin	AB
R2063	VRD-MN2BE222J	J	2.2k 1/8W Carbon	AA	P701	QPLGN0207CEZZ	J	Plug, 2-pin (M)	AA
R2064	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA	P703	QPLGN0269GEZZ	J	Plug, 2-pin (P)	AB
R2067	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	P901	QPLGN0561CEZZ	J	Plug, 5-pin (HA)	AB
R2068	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	P903	QPLGN0561CEZZ	J	Plug, 5-pin (GBN)	AB
R2070	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	P2401	QPLGN0561CEZZ	J	Plug, 5-pin	AB
R2071	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA	RMC2601	RRMCU0235CEZZ	J	R/C Receiver	AK
R2101	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	HM501	LX-GZ3001PEZZ	R	Screw	AB
R2102	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	HM601	LX-GZ3001PEZZ	R	Screw	AB
R2201	VRD-MN2BE222J	J	2.2k 1/8W Carbon	AA	HM602	LX-GZ3001PEZZ	R	Screw	AB
R2202	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	HM603	LX-GZ3001PEZZ	R	Screw	AB
R2203	VRS-CY1JF184J	J	180k 1/16W M-Ox.	AA	HM604	LX-GZ3001PEZZ	R	Screw	AB
R2211	VRD-MN2BE222J	J	2.2k 1/8W Carbon	AA	HM605	LX-GZ3001PEZZ	R	Screw	AB
R2212	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA	HM606	LX-GZ3002PEZZ	R	Screw	AB
R2213	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA	HM607	LX-GZ3002PEZZ	R	Screw	AB
					HM608	LX-GZ3001PEZZ	R	Screw	AB
					HM609	LX-GZ3001PEZZ	R	Screw	AB
					HM610	LX-GZ3002PEZZ	R	Screw	AB
					HM611	LX-GZ3002PEZZ	R	Screw	AB
					HM612	LX-GZ3001PEZZ	R	Screw	AB
					HM613	LX-GZ3002PEZZ	R	Screw	AB
					HM614	LX-GZ3002PEZZ	R	Screw	AB
					HM615	LX-GZ3002PEZZ	R	Screw	AB
					HM616	LX-GZ3002PEZZ	R	Screw	AB
					HM617	LX-GZ3001PEZZ	R	Screw	AB



Ref. No.	Part No.	★	Description	Code
<b>PWB-A: DUNTK9806WEK4 (27L-S100, CL27S10)</b>				
<b>PWB-A: DUNTK9806WEK5 (27L-S180, CL27S18)</b>				
<b>MAIN UNIT (Continued)</b>				
HM618	LX-GZ3001PEZZ	R	Screw	AB
HM701	LX-GZ3001PEZZ	R	Screw	AB
HM702	LX-GZ3001PEZZ	R	Screw	AB
HM703	LX-GZ3001PEZZ	R	Screw	AB
HM704	LX-GZ3001PEZZ	R	Screw	AB
HM705	LX-GZ3001PEZZ	R	Screw	AB
HM706	LX-GZ3001PEZZ	R	Screw	AB
HM707	LX-GZ3001PEZZ	R	Screw	AB
HM708	LX-GZ3001PEZZ	R	Screw	AB
HM709	LX-GZ3001PEZZ	R	Screw	AB
HM710	LX-GZ3001PEZZ	R	Screw	AB
HM711	LX-GZ3001PEZZ	R	Screw	AB
HM712	LX-GZ3001PEZZ	R	Screw	AB
HM713	LX-GZ3001PEZZ	R	Screw	AB
RDA501	PRDAR0234PEFW	R	Heat Sink	AH
RDA604	PRDAR0233PEFW	M	Heat Sink	AE
RDA701	PRDAR1008MEFW	M	Heat Sink	AH
RDA751	PRDAR5072CEFW	J	Heat Sink	AC
TAN921	QTANJ0323CEZZ	M	AV Terminal	AF
			(27L-S100, CL27S10)	
TAN921	QTANJ0523CEZZ	M	AV Terminal	AG
			(27L-S180, CL27S18)	
	LX-BZ3049GEFD	J	Screw	AA
	LX-HZ3007MEFD	M	Screw	

### PWB-C: DUNTK9310WEK1 FRONT AV UNIT

Ref. No.	Part No.	★	Description	Code
J1001	QJAKE0053GEZZ	J	Jack, Video in	AD
J1002	QJAKE0055GEZZ	J	Jack, Audio in (L)	AD
J1003	QJAKE0059GEZZ	J	Jack, Audio in (R)	AC
P1001	QPLGN0541CEZZ	J	Plug, 5-pin (HA)	AB

Ref. No.	Part No.	★	Description	Code
<b>PWB-B: DUNTK9510WEK1 CRT UNIT</b>				
<b>TRANSISTORS</b>				
Q851	VS2SC3198-Y-1	J	2SC3198(Y)	AA
Q852	VS2SC3789//2E	M	2SC3789	AA
Q853	VS2SC3198-Y-1	J	2SC3198(Y)	AA
Q854	VS2SC3789//2E	M	2SC3789	AA
Q855	VS2SC3198-Y-1	J	2SC3198(Y)	AA
Q856	VS2SC3789//2E	M	2SC3789	AA
Q881	VS2SA1266-Y-1	J	2SA1266(Y)	AA
<b>DIODES</b>				
D881	VHD1SS119//1	J	1SS119	AB
D882	VHD1SS119//1	J	1SS119	AB
D884	VHD1SS119//1	J	1SS119	AB
<b>COIL</b>				
L851	VP-MK820K0000	J	Peaking 82μH	AB
<b>CAPACITORS</b>				
<i>[EL. ... Electrolytic]</i>				
C851	VCCSPA1HL391J	J	390p 50V	Ceramic AA
C852	VCCSPA1HL331J	J	330p 50V	Ceramic AA
C853	VCCSPA1HL391J	J	390p 50V	Ceramic AA
C854	RC-KZ0024CEZZ	J	0.001 2kV	Ceramic AC
C883	VCEA0A1HW106M	J	10 50V	EL. AB
<b>RESISTORS</b>				
<i>[M-Ox. ... Metal Oxide]</i>				
R851	VRD-RA2BE470J	J	47 1/8W	Carbon AA
R852	VRD-RA2BE181J	J	180 1/8W	Carbon AA
R853	VRD-RA2BE121J	J	120 1/8W	Carbon AA
R855	VRD-RA2BE471J	J	470 1/8W	Carbon AA
R856	VRD-RA2BE221J	J	220 1/8W	Carbon AA
△ R857	VRS-VV3LB123J	J	12k 3.0W	M-Ox. AB
R858	VRD-RM2HD222J	J	2.2k 1/2W	Carbon AA
R859	VRD-RA2BE470J	J	47 1/8W	Carbon AA
R860	VRD-RA2BE181J	J	180 1/8W	Carbon AA
R861	VRD-RA2BE121J	J	120 1/8W	Carbon AA
R863	VRD-RA2BE471J	J	470 1/8W	Carbon AA
R864	VRD-RA2BE221J	J	220 1/8W	Carbon AA
△ R865	VRS-VV3LB123J	J	12k 3.0W	M-Ox. AB
R866	VRD-RM2HD222J	J	2.2k 1/2W	Carbon AA
R867	VRD-RA2BE470J	J	47 1/8W	Carbon AA
R868	VRD-RA2BE181J	J	180 1/8W	Carbon AA
R869	VRD-RA2BE121J	J	120 1/8W	Carbon AA
R871	VRD-RA2BE471J	J	470 1/8W	Carbon AA
R872	VRD-RA2BE221J	J	220 1/8W	Carbon AA
△ R873	VRS-VV3LB123J	J	12k 3.0W	M-Ox. AB
R874	VRD-RM2HD222J	J	2.2k 1/2W	Carbon AA
R881	VRD-RA2BE102J	J	1.0k 1/8W	Carbon AA
R882	VRD-RA2BE331J	J	330 1/8W	Carbon AA
R883	VRD-RA2BE561J	J	560 1/8W	Carbon AA
R884	VRD-RA2BE152J	J	1.5k 1/8W	Carbon AA
R895	VRD-RA2BE470J	J	47 1/8W	Carbon AA
<b>MISCELLANEOUS PARTS</b>				
P851	QPLGN0541CEZZ	J	Plug, 5-pin (GBN)	AB
P852	QPLGN0441CEZZ	J	Plug, 4-pin (YBN)	AB
SC851	QSOCV0937CEZZ	M	CRT Socket	AF

Ref. No.	Part No.	★	Description	Code
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**CABINET PARTS****27L-S100, CL27S10**

1	CCABA1302MES1	M	Front Cabinet Ass'y	BE
1-1	<i>Not Available</i>	—	Front Cabinet	—
1-2	GCOVA1033MEKA	M	Cover for R/C	AD
1-3	HBDGB1009MESA	M	Badge, "SHARP"	AD
1-4	JBTDN-1096MEKA	M	Button, Power, Vol-up/down	AD
1-5	JBTDN-1097MEKA	M	Button, Ch-up/down	AD
2	GCABB1144MEKA	M	Rear Cabinet	AZ

**27L-S180, CL27S18**

1	CCABA1296MES1	M	Front Cabinet Ass'y	—
1-1	<i>Not Available</i>	—	Front Cabinet	—
1-2	GCOVA1033MEKA	M	Cover for R/C	AD
1-3	HBDGB1009MESA	M	Badge, "SHARP"	AD
1-4	JBTDN-1096MEKA	M	Button, Power, Vol-up/down	AD
1-5	JBTDN-1097MEKA	M	Button, Ch-up/down	AD
2	GCABB1148MEKA	M	Rear Cabinet	AZ

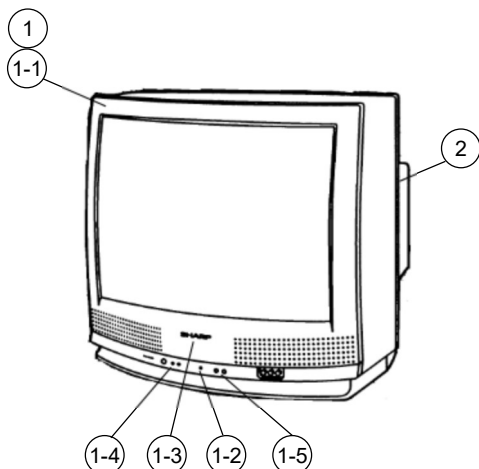
Ref. No.	Part No.	★	Description	Code
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**MISCELLANEOUS PARTS**

△ ACC701	QACCD3065CESA	M	AC Cord	AG
	QCNW-0130MEZZ	M	Connecting Cord	AF
	QCNW-0134MEZZ	M	Connecting Cord	AE
	QCNW-0166MEZZ	M	Connecting Cord	AD
	QCNW-0167MEZZ	M	Connecting Cord	AC
	QCNW-0239MEZZ	M	Connecting Cord	AH
SP1	VSP0080PBL4YS	M	Speaker, (L)	AG
SP2	VSP0080PBL4YS	M	Speaker, (R)	AG

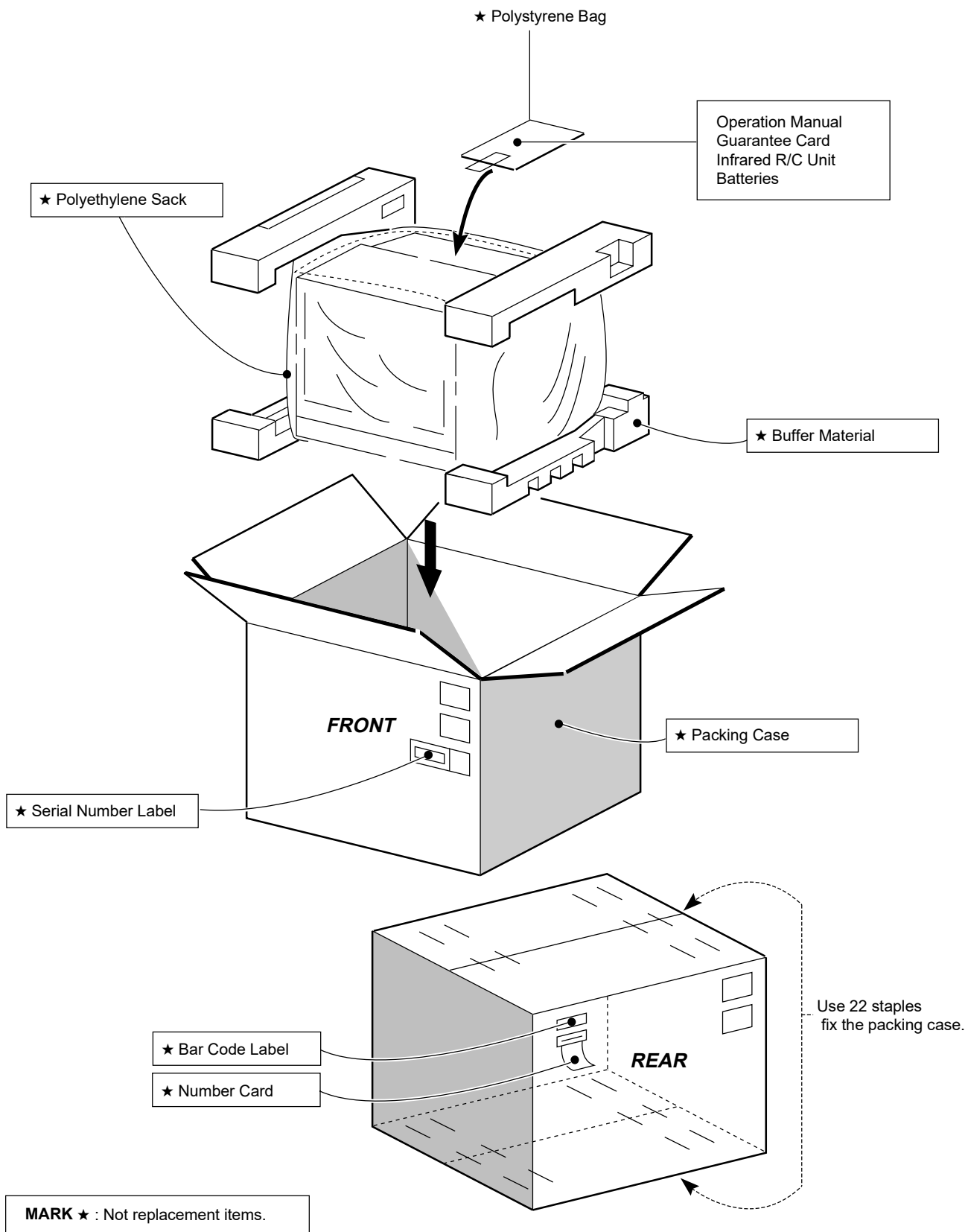
**SUPPLIED ACCESORRIES**

TGAN-1006MEZZ	M	Guarantee Card	AA
TiNS-6552MEZZ	M	Operation Manual (27L-S100, CL27S10)	AD
TiNS-6553MEZZ	M	Operation Manual (27L-S180, CL27S18)	AD
RRMCG1324CESA	M	Infrared R/C Unit (27L-S100, CL27S10)	AQ
RRMCG1395CESA	M	Infrared R/C Unit (27L-S180, CL27S18)	AW

**CABINET PARTS LOCATION****PACKING PARTS  
(NOT REPLACEMENT ITEM)**

SPAKC0639MEZZ	—	Packing Case	—
SPAKX0165MEZZ	—	Buffer Material	—
SSAKA0004MEZZ	—	Polyethylene Sack	—

## PACKING OF THE SET







# SHARP

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# **EXHIBIT 53**

**\$ 297,986,039.11**

Jan 1999 - June 30 1999

Program: ZRPP0138  
Date: 11/21/2012

Sharp Electronics Corporation  
Six Month Parts by Supplier Re

Page: 1  
Client: 100

## Selection Options Chosen

Vendor H01  
Vendor M14  
Vendor P01  
Vendor R01  
Vendor T02  
Vendor S24  
Plant SM01  
GR Posting Date 01/01/1999 - 06/30/1999

Program: ZRPP0138  
Date: 11/21/2012

Sharp Electronics Corporation  
Six Month Parts by Supplier Re

Page: 2  
Client: 100

Material	GR Posting Date	Material Doc.	PO Number	Deliv.Note	GR Quantity	Unit Price	/	Price Unit	Net Price
Vendor : H01									
VB80LJF3015*S	1/6/1999	50003690	T95259		448	279,000.00	/	1,000	124,992.00
VB80LJF3015*S	1/7/1999	50003948	T95259		448	279,000.00	/	1,000	124,992.00
VB80LJF3015*S	1/7/1999	50003947	T95259		448	279,000.00	/	1,000	124,992.00
VB80LJF3015*S	1/7/1999	50003946	T95259		448	279,000.00	/	1,000	124,992.00
VB80LJF3015*S	1/8/1999	50004198	T95259		448	279,000.00	/	1,000	124,992.00
VB80LJF3015*S	1/11/1999	50004338	T95259		448	279,000.00	/	1,000	124,992.00
VB80LJF3015*S	1/11/1999	50004339	T95259		448	279,000.00	/	1,000	124,992.00
VB80LJF3015*S	1/12/1999	50004476	T95259		448	279,000.00	/	1,000	124,992.00
VB80LJF3015*S	1/13/1999	50004734	T95259		448	279,000.00	/	1,000	124,992.00
VB80LJF3015*S	1/19/1999	50005821	T95259		448	279,000.00	/	1,000	124,992.00
VB80LJF3015*S	1/19/1999	50005693	T95259		448	279,000.00	/	1,000	124,992.00
VB80LJF3015*S	3/1/1999	50017671	T95259		448	279,000.00	/	1,000	124,992.00
VB80LJF3015*S	3/1/1999	50017672	T95259		448	279,000.00	/	1,000	124,992.00
VB80LJF3015*S	3/3/1999	50019104	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/12/1999	50021753	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/16/1999	50022402	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/17/1999	50022585	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/18/1999	50023381	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/18/1999	50023422	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/19/1999	50023795	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/19/1999	50023871	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/22/1999	50024172	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/25/1999	50025145	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/25/1999	50025336	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/26/1999	50025456	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/31/1999	50027088	T95287		-38	242,500.00	/	1,000	-9,215.00
VB80LJF3015*S	4/6/1999	50028793	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/6/1999	50028682	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/7/1999	50029017	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/7/1999	50029025	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/12/1999	50030452	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/12/1999	50030453	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/12/1999	50030451	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/12/1999	50030450	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/14/1999	50030879	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/14/1999	50030878	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/14/1999	50030877	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/15/1999	50031299	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/15/1999	50031389	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/15/1999	50031244	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/19/1999	50031939	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/20/1999	50032234	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/20/1999	50032268	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/20/1999	50032235	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/20/1999	50032269	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/29/1999	50035764	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/29/1999	50035763	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/30/1999	50036203	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/30/1999	50036202	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	5/3/1999	50036762	T95287		-15	242,500.00	/	1,000	-3,637.50
VB80LJF3015*S	5/3/1999	50036785	T95287		448	242,500.00	/	1,000	108,640.00

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VB80LJF3015*S	5/6/1999	50038309	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	5/7/1999	50038787	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	5/7/1999	50038495	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	5/7/1999	50038584	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	5/10/1999	50038837	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	5/11/1999	50039552	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	5/11/1999	50039579	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	5/12/1999	50039736	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	5/12/1999	50039970	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	5/13/1999	50040314	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	5/13/1999	50040318	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	5/14/1999	50040781	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	5/14/1999	50040496	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	5/14/1999	50040494	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	5/14/1999	50040786	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/1/1999	50045982	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/3/1999	50046836	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/3/1999	50046880	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/3/1999	50046837	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/3/1999	50046835	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/4/1999	50047136	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/4/1999	50047135	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/4/1999	50047137	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/4/1999	50047138	T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/4/1999	50047139	T95287		448	242,500.00	/	1,000	108,640.00

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VB80LJF3015*S	6/7/1999	50047528 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/7/1999	50047760 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/7/1999	50047764 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/8/1999	50048042 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/8/1999	50048043 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/8/1999	50048236 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/8/1999	50048041 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/9/1999	50048473 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/9/1999	50048470 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/10/1999	50048707 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/10/1999	50048772 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/10/1999	50048944 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/11/1999	50048928 T95287	-448	242,500.00	/	1,000	-108,640.00
VB80LJF3015*S	6/11/1999	50049125 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/11/1999	50049173 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/14/1999	50049812 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/14/1999	50049592 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	6/22/1999	50052255 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3016*S	1/8/1999	50004191 T95267	448	279,000.00	/	1,000	124,992.00
VB80LJF3016*S	1/8/1999	50004217 T95267	448	279,000.00	/	1,000	124,992.00
VB80LJF3016*S	2/8/1999	50012885 T95267	448	279,000.00	/	1,000	124,992.00
VB80LJF3016*S	2/9/1999	50013600 T95288	448	242,500.00	/	1,000	108,640.00
VB80LJF3016*S	2/12/1999	50014280 T95267	448	279,000.00	/	1,000	124,992.00
VB80LJF3016*S	2/22/1999	50016323 T95267	448	279,000.00	/	1,000	124,992.00
VB80LJF3016*S	3/15/1999	50022047 T95288	448	242,500.00	/	1,000	108,640.00
VB80LJF3016*S	3/16/1999	50022403 T95288	448	242,500.00	/	1,000	108,640.00
VB80LJF3016*S	3/22/1999	50024173 T95288	448	242,500.00	/	1,000	108,640.00
VB80LJF3016*S	3/23/1999	50024406 T95288	448	242,500.00	/	1,000	108,640.00

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VB80LJF3016*S	3/24/1999	50024757 T95288			448	242,500.00	/	1,000	108,640.00
VB80LJF3016*S	3/24/1999	50024822 T95288			448	242,500.00	/	1,000	108,640.00
VB80LJF3016*S	3/26/1999	50025457 T95288			448	242,500.00	/	1,000	108,640.00
VB80LJF3016*S	3/26/1999	50025458 T95288			448	242,500.00	/	1,000	108,640.00
VB80LJF3016*S	3/31/1999	50027089 T95288			-5	242,500.00	/	1,000	-1,212.50
VB80LJF3016*S	5/3/1999	50036763 T95288			-3	242,500.00	/	1,000	-727.50
VB80LJF3016*S	6/11/1999	50048929 T95288			448	242,500.00	/	1,000	108,640.00
VB80LJF3021*S	1/4/1999	50003178 T95279			200	279,000.00	/	1,000	55,800.00
VB80LJF3021*S	1/11/1999	50004337 T95279			200	279,000.00	/	1,000	55,800.00
VB80LJF3021*S	2/15/1999	50015049 T95279			-200	279,000.00	/	1,000	-55,800.00
Vendor : H01					Total Price			11,742,543.50	

Vendor : P01

VB63AFW32X/*S	1/4/1999	50003189 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/4/1999	50003160 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/4/1999	50003161 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/4/1999	50003164 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/4/1999	50003169 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/4/1999	50003252 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/4/1999	50003204 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/4/1999	50003176 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/5/1999	50003567 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/5/1999	50003566 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/5/1999	50003565 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/5/1999	50003564 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/6/1999	50003576 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/7/1999	50003949 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/8/1999	50004008 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/11/1999	50004352 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/11/1999	50004331 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/11/1999	50004333 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/11/1999	50004325 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/11/1999	50004350 T95263	740	107,500.00	/	1,000	79,550.00
VB63AFW32X/*S	1/11/1999	50004326 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/11/1999	50004332 T95263	60	107,500.00	/	1,000	6,450.00
VB63AFW32X/*S	1/11/1999	50004351 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/12/1999	50004461 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/12/1999	50004465 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/13/1999	50004626 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/13/1999	50004629 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/13/1999	50004765 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/14/1999	50004884 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/20/1999	50005951 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/20/1999	50005885 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/22/1999	50006928 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/25/1999	50008190 T95263	704	107,500.00	/	1,000	75,680.00
VB63AFW32X/*S	1/27/1999	50010163 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/27/1999	50010165 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/28/1999	50010745 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/28/1999	50010744 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/29/1999	50011011 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	1/29/1999	50011012 T95263	800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	2/1/1999	50011497 T95263	800	107,500.00	/	1,000	86,000.00

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VB63AFW32X/*S	2/1/1999	50011501	T95263		800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	2/1/1999	50011498	T95263		800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	2/1/1999	50011505	T95263		800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	2/1/1999	50011503	T95263		800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	2/1/1999	50011502	T95263		800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	2/8/1999	50012882	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/8/1999	50012881	T95263		800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	2/8/1999	50012883	T95263		800	107,500.00	/	1,000	86,000.00
VB63AFW32X/*S	2/10/1999	50013899	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/10/1999	50014016	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/10/1999	50013984	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/10/1999	50013921	T95294		800	98,000.00	/	1,000	78,400.00

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VB63AFW32X/*S	3/15/1999	50022079 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/15/1999	50022078 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/15/1999	50022025 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/15/1999	50022024 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/15/1999	50022075 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/15/1999	50022076 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/15/1999	50022077 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/16/1999	50022448 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/16/1999	50022473 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/16/1999	50022384 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/17/1999	50022576 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/17/1999	50022577 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/18/1999	50023351 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/18/1999	50023315 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/18/1999	50023335 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/18/1999	50023338 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/18/1999	50023341 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/19/1999	50023774 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/20/1999	50024043 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/20/1999	50024042 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/20/1999	50023758 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/20/1999	50023759 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/22/1999	50024147 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/22/1999	50024146 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/22/1999	50024148 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/23/1999	50024571 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/24/1999	50024751 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/24/1999	50024789 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/24/1999	50024824 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/25/1999	50025143 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/25/1999	50025144 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/25/1999	50025022 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/26/1999	50025588 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/26/1999	50025446 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/26/1999	50025358 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/26/1999	50025445 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/26/1999	50025357 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/26/1999	50025356 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/26/1999	50025589 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/27/1999	50025720 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/27/1999	50025757 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/30/1999	50026909 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/30/1999	50026910 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/30/1999	50027059 T95294	-199	98,000.00	/	1,000	-19,502.00
VB63AFW32X/*S	3/30/1999	50027052 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/30/1999	50027051 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/30/1999	50027034 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/31/1999	50027073 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/31/1999	50027916 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/31/1999	50027915 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/31/1999	50027077 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/31/1999	50027984 T95294	-35	98,000.00	/	1,000	-3,430.00
VB63AFW32X/*S	3/31/1999	50027405 T95294	-800	98,000.00	/	1,000	-78,400.00

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VB63AFW32X/*S	3/31/1999	50027076 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/31/1999	50027075 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/31/1999	50027074 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/31/1999	50027917 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/31/1999	50028027 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/5/1999	50028402 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/5/1999	50028403 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/5/1999	50028408 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/6/1999	50028854 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/6/1999	50028794 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/6/1999	50028686 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/6/1999	50028730 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/6/1999	50028687 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/6/1999	50028685 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/7/1999	50029028 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/7/1999	50029029 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/7/1999	50029060 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/8/1999	50029551 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/8/1999	50029610 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/8/1999	50029552 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/8/1999	50029550 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/8/1999	50029611 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/9/1999	50030106 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/9/1999	50030107 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/9/1999	50030092 T95294			-46	98,000.00	/	1,000	-4,508.00
VB63AFW32X/*S	4/12/1999	50030460 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/12/1999	50030582 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/12/1999	50030461 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/13/1999	50030870 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/13/1999	50030869 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/13/1999	50030868 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/14/1999	50031043 T95294			-16	98,000.00	/	1,000	-1,568.00
VB63AFW32X/*S	4/14/1999	50031018 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/14/1999	50031017 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/14/1999	50031016 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/15/1999	50031403 T95294			-16	98,000.00	/	1,000	-1,568.00
VB63AFW32X/*S	4/16/1999	50031592 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/16/1999	50031595 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/20/1999	50032259 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/20/1999	50032244 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/21/1999	50032536 T95294			776	98,000.00	/	1,000	76,048.00
VB63AFW32X/*S	4/21/1999	50032523 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/21/1999	50032524 T95294			800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/22/1999	50033956 T95294			800	98,000.00	/	1,000	78,400.00



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VB63AFW32X/*S	5/25/1999	50044751	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	5/26/1999	50044834	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	5/26/1999	50045026	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	5/26/1999	50045074	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	5/27/1999	50045522	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	5/27/1999	50045527	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	5/27/1999	50045438	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	5/27/1999	50045630	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	5/27/1999	50045641	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	5/27/1999	50045664	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	5/28/1999	50045931	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	5/28/1999	50045860	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	5/28/1999	50045861	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	5/28/1999	50045811	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	5/28/1999	50045810	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	5/28/1999	50045808	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/1/1999	50045919	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/1/1999	50045980	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/1/1999	50045981	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/1/1999	50045917	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/1/1999	50045918	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/2/1999	50046302	T95294	800	98,000.00	/	1,000	78,400.00

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VB63AFW32X/*S	6/2/1999	50046289	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/2/1999	50046300	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/2/1999	50046288	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/2/1999	50046301	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/2/1999	50046279	T95294		-32	98,000.00	/	1,000	-3,136.00
VB63AFW32X/*S	6/2/1999	50046395	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/2/1999	50046820	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/3/1999	50046834	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/3/1999	50046822	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/4/1999	50047315	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/7/1999	50047526	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/7/1999	50047527	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/8/1999	50048155	T95294		-32	98,000.00	/	1,000	-3,136.00
VB63AFW32X/*S	6/8/1999	50048040	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/8/1999	50048156	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/8/1999	50047959	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/8/1999	50048263	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/9/1999	50048456	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/9/1999	50048457	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/9/1999	50048458	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/11/1999	50049123	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/11/1999	50049124	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/14/1999	50049813	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/16/1999	50050363	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/16/1999	50050417	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/18/1999	50051371	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/21/1999	50051644	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/21/1999	50051643	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/21/1999	50051642	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/21/1999	50051680	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/21/1999	50051648	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/21/1999	50051647	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/21/1999	50051646	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/21/1999	50051743	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/21/1999	50051770	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/22/1999	50052257	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/22/1999	50052253	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/22/1999	50051807	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/22/1999	50051919	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/22/1999	50051972	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/22/1999	50052235	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/22/1999	50052234	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/22/1999	50051978	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/22/1999	50051977	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/22/1999	50051941	T95294		-32	98,000.00	/	1,000	-3,136.00
VB63AFW32X/*S	6/23/1999	50052256	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/23/1999	50052649	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/24/1999	50052993	T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	6/24/1999	50053314	T95294		800	98,000.00	/	1,000	78,400.00
VB80ECK27296S	1/25/1999	50008189	T95293		40	262,000.00	/	1,000	10,480.00
VB80ECK27296S	2/11/1999	50014139	T95293		448	262,000.00	/	1,000	117,376.00
VB80ECK27296S	2/15/1999	50015016	T95293		448	262,000.00	/	1,000	117,376.00
VB80ECK27296S	2/15/1999	50015018	T95293		448	262,000.00	/	1,000	117,376.00

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VB80ECK27296S	2/15/1999	50015015	T95293		448	262,000.00	/	1,000	117,376.00
VB80ECK27296S	2/15/1999	50015012	T95293		448	262,000.00	/	1,000	117,376.00
VB80ECK27296S	2/15/1999	50015066	T95293		448	262,000.00	/	1,000	117,376.00
VB80ECK27296S	2/16/1999	50015206	T95293		448	262,000.00	/	1,000	117,376.00
VB80ECK27296S	2/16/1999	50015284	T95293		448	262,000.00	/	1,000	117,376.00
VB80ECK27296S	2/17/1999	50015399	T95293		448	262,000.00	/	1,000	117,376.00
VB80ECK27296S	2/17/1999	50015397	T95293		448	262,000.00	/	1,000	117,376.00
VB80ECK27296S	3/31/1999	50027985	T95293		-6	262,000.00	/	1,000	-1,572.00
VB80ECK272X1E	5/10/1999	50038984	T95293		448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	5/13/1999	50040376	T95293		448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	5/13/1999	50040372	T95293		448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	5/14/1999	50040664	T95293		448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	5/14/1999	50040667	T95293		448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	5/17/1999	50040824	T95293		448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	5/18/1999	50041335	T95293		448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	5/18/1999	50041336	T95293		448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	5/18/1999	50041339	T95293		448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	5/19/1999	50041624	T95293		448	262,000.00	/	1,000	117,376.00

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VB80ECK272X1E	5/19/1999	50041622 T95293	448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	5/20/1999	50042850 T95293	448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	5/20/1999	50041793 T95293	448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	5/20/1999	50041792 T95293	448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	5/20/1999	50041791 T95293	448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	5/25/1999	50044748 T95293	448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	5/25/1999	50044744 T95293	448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	5/26/1999	50045120 T95293	448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	6/14/1999	50049874 T95293	448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	6/14/1999	50049817 T95293	448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	6/14/1999	50049814 T95293	448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	6/15/1999	50050196 T95293	-800	262,000.00	/	1,000	-209,600.00
VB80ECK272X1E	6/15/1999	50050194 T95293	800	262,000.00	/	1,000	209,600.00
VB80ECK272X1E	6/15/1999	50050198 T95293	448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	6/15/1999	50050199 T95293	448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	6/15/1999	50050197 T95293	448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	6/15/1999	50050195 T95293	448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	6/16/1999	50050364 T95293	448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	6/16/1999	50050527 T95293	448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	6/16/1999	50050258 T95293	448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	6/16/1999	50050528 T95293	448	262,000.00	/	1,000	117,376.00
VB80ECK272X1E	6/22/1999	50051942 T95293	-14	262,000.00	/	1,000	-3,668.00

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VB68ADT2503*S	1/8/1999	50004189 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/11/1999	50004341 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/11/1999	50004340 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/11/1999	50004336 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/11/1999	50004422 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/11/1999	50004397 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/11/1999	50004321 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/13/1999	50004785 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/13/1999	50004794 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/13/1999	50004784 T95289	704	133,000.00	/	1,000	93,632.00

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VB68ADT2503*S	1/13/1999	50004737	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/14/1999	50004921	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/14/1999	50004973	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/15/1999	50005306	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/15/1999	50005305	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/15/1999	50005304	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/19/1999	50005726	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/19/1999	50005802	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/19/1999	50005742	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/19/1999	50005692	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/19/1999	50005691	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/19/1999	50005782	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/19/1999	50005783	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/19/1999	50005850	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/20/1999	50005848	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/21/1999	50006535	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/21/1999	50006690	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/21/1999	50006536	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/22/1999	50006919	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/22/1999	50006939	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/22/1999	50006930	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/22/1999	50006927	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/22/1999	50006920	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/22/1999	50006921	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/22/1999	50006926	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/22/1999	50006925	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/25/1999	50008209	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/25/1999	50008227	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/25/1999	50008207	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/25/1999	50008220	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/25/1999	50008201	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/25/1999	50008204	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/25/1999	50008205	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/25/1999	50008202	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/25/1999	50008203	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/25/1999	50007119	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/25/1999	50008200	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/26/1999	50008194	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/26/1999	50009093	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/27/1999	50010291	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/28/1999	50010804	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/28/1999	50010775	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/29/1999	50010856	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/29/1999	50010857	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/29/1999	50011014	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/1/1999	50011322	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/1/1999	50011510	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/1/1999	50011321	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/1/1999	50011511	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/2/1999	50011527	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/2/1999	50011700	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/2/1999	50011529	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/2/1999	50011528	T95289		704	133,000.00	/	1,000	93,632.00

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VB68ADT2503*S	2/2/1999	50011742	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/4/1999	50012491	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/4/1999	50012447	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/5/1999	50012634	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/5/1999	50012635	T95289		704	133,000.00	/	1,000	93,632.00

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Material	GR Posting Date	Material Doc.	PO Number	Deliv.Note	GR Quantity	Unit Price	/	Price Unit	Net Price
VB68ADT2503*S	4/26/1999	50034763	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	4/26/1999	50034764	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	4/26/1999	50034765	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	4/26/1999	50034762	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	4/26/1999	50034767	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	4/26/1999	50034766	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	4/27/1999	50035058	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	4/27/1999	50035055	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	4/27/1999	50035057	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	4/27/1999	50035056	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	4/28/1999	50035536	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	4/28/1999	50035535	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	4/28/1999	50035537	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	4/28/1999	50035534	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	4/29/1999	50035790	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	4/30/1999	50036271	T95289		432	133,000.00	/	1,000	57,456.00
VB68ADT2503*S	4/30/1999	50036228	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/3/1999	50036789	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/4/1999	50037111	T95289		-35	133,000.00	/	1,000	-4,655.00
VB68ADT2503*S	5/7/1999	50038598	T95289		-8	133,000.00	/	1,000	-1,064.00
VB68ADT2503*S	5/10/1999	50038933	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/10/1999	50038938	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/12/1999	50040093	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/12/1999	50040095	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/12/1999	50040062	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/13/1999	50040294	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/13/1999	50040295	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/14/1999	50040660	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/14/1999	50040661	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/17/1999	50040829	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/17/1999	50040866	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/17/1999	50040864	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/17/1999	50040876	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/17/1999	50040862	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/17/1999	50040886	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/18/1999	50041475	T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/20/1999	50043076	T95289		704	133,000.00	/	1,000	93,632.00



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VB68ADT2503*S	5/21/1999	50043167 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/21/1999	50043248 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/24/1999	50043560 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/24/1999	50043622 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/25/1999	50044757 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/26/1999	50045001 T95289	-18	133,000.00	/	1,000	-2,394.00
VB68ADT2503*S	5/26/1999	50045022 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/27/1999	50045665 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/27/1999	50045437 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/27/1999	50045433 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/27/1999	50045435 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/27/1999	50045436 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/28/1999	50045812 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/28/1999	50045964 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/28/1999	50045836 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	5/28/1999	50045962 T95289	704	133,000.00	/	1,000	93,632.00

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VB68ADT2503*S	6/1/1999	50046165 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/1/1999	50045983 T95289			-7	133,000.00	/	1,000	-931
VB68ADT2503*S	6/1/1999	50045988 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/1/1999	50045987 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/1/1999	50045984 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/2/1999	50046823 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/2/1999	50046821 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/3/1999	50046859 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/7/1999	50047783 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/7/1999	50047782 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/7/1999	50047781 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/7/1999	50047780 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/7/1999	50047915 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/7/1999	50047827 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/7/1999	50047769 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/7/1999	50047824 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/7/1999	50047789 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/7/1999	50047767 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/7/1999	50047765 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/8/1999	50048045 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/9/1999	50048630 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/9/1999	50048476 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/9/1999	50048475 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/9/1999	50048482 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/10/1999	50048948 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/17/1999	50050716 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/17/1999	50050715 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/17/1999	50050804 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/18/1999	50051248 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/21/1999	50051641 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/21/1999	50051684 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/21/1999	50051683 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/21/1999	50051685 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/21/1999	50051640 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/22/1999	50052254 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/23/1999	50052899 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/23/1999	50052893 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/23/1999	50052892 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/23/1999	50052891 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/23/1999	50052239 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/24/1999	50053316 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/24/1999	50053315 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/25/1999	50053804 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/25/1999	50053612 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/25/1999	50053611 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/25/1999	50053610 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/25/1999	50053339 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/25/1999	50053338 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/28/1999	50053951 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	6/28/1999	50054001 T95289			-53	133,000.00	/	1,000	-7,049.00
VB68ADT2503*S	6/28/1999	50054013 T95289			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	1/4/1999	50003162 T95264			704	146,500.00	/	1,000	103,136.00
VB68ADT2506*S	1/4/1999	50003168 T95264			704	146,500.00	/	1,000	103,136.00

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VB68ADT2506*S	1/5/1999	50003526 T95264			704	146,500.00	/	1,000	103,136.00
VB68ADT2506*S	1/8/1999	50004187 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	1/8/1999	50004188 T95264			704	146,500.00	/	1,000	103,136.00
VB68ADT2506*S	1/25/1999	50008206 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	1/26/1999	50009044 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	1/28/1999	50010800 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	2/1/1999	50011506 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/9/1999	50020733 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/10/1999	50020785 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/10/1999	50020912 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/10/1999	50020966 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/11/1999	50021073 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/11/1999	50021074 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/12/1999	50021346 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/12/1999	50021752 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/12/1999	50021762 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/12/1999	50021732 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/12/1999	50021919 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/15/1999	50022038 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/15/1999	50022123 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/15/1999	50022028 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/15/1999	50022039 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/15/1999	50022048 T95290			704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/16/1999	50022367 T95290			704	133,000.00	/	1,000	93,632.00

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VB68ADT2506*S	4/8/1999	50029546	T95290	-704	133,000.00	/	1,000	-93,632.00
VB68ADT2506*S	4/9/1999	50030124	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	4/12/1999	50030469	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	4/12/1999	50030548	T95290	-20	133,000.00	/	1,000	-2,660.00
VB68ADT2506*S	4/12/1999	50030313	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	4/12/1999	50030439	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	4/15/1999	50031415	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	4/16/1999	50031599	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	4/19/1999	50031969	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	4/21/1999	50032492	T95290	-11	133,000.00	/	1,000	-1,463.00
VB68ADT2506*S	4/22/1999	50033932	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	4/22/1999	50033933	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	4/22/1999	50033934	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	4/23/1999	50034344	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	4/23/1999	50034365	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	4/23/1999	50034341	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	4/30/1999	50036276	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	4/30/1999	50036227	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	5/3/1999	50036769	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	5/3/1999	50036786	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	5/3/1999	50036787	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	5/3/1999	50036788	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	5/3/1999	50036814	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	5/3/1999	50036782	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	5/3/1999	50036819	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	5/3/1999	50036783	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	5/4/1999	50036898	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	5/4/1999	50036977	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	5/4/1999	50036976	T95290	704	133,000.00	/	1,000	93,632.00

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VB68ADT2506*S	5/4/1999	50037112	T95290		-13	133,000.00	/	1,000	-1,729.00
VB68ADT2506*S	5/5/1999	50038215	T95290		704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	5/6/1999	50038368	T95290		704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	5/6/1999	50038371	T95290		704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	5/6/1999	50038358	T95290		704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	5/7/1999	50038601	T95290		704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	5/7/1999	50038599	T95290		-5	133,000.00	/	1,000	-665
VB68ADT2506*S	5/7/1999	50038589	T95290		704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	5/7/1999	50038597	T95290		704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	5/7/1999	50038525	T95290		704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	5/10/1999	50038937	T95290		704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	5/26/1999	50045002	T95290		-19	133,000.00	/	1,000	-2,527.00
VB68ADT2506*S	6/1/1999	50045985	T95290		-6	133,000.00	/	1,000	-798
VB68ADT2506*S	6/11/1999	50049171	T95290		704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	6/14/1999	50049306	T95290		704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	6/14/1999	50050092	T95290		704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	6/15/1999	50050240	T95290		704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	6/16/1999	50050365	T95290		704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	6/16/1999	50050415	T95290		704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	6/16/1999	50050416	T95290		704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	6/16/1999	50050620	T95290		704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	6/17/1999	50050806	T95290		704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	6/18/1999	50051370	T95290		704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	6/28/1999	50054002	T95290		-27	133,000.00	/	1,000	-3,591.00
VB68ADT2506*S	6/28/1999	50053950	T95290		704	133,000.00	/	1,000	93,632.00
VB68ADT25886S	1/4/1999	50003163	T95266		704	146,500.00	/	1,000	103,136.00
VB68ADT25886S	1/5/1999	50003524	T95266		704	146,500.00	/	1,000	103,136.00
VB68ADT25886S	1/5/1999	50003525	T95266		704	146,500.00	/	1,000	103,136.00
VB68ADT25886S	1/27/1999	50010212	T95292		704	133,000.00	/	1,000	93,632.00
VB68ADT25886S	1/28/1999	50010803	T95292		704	133,000.00	/	1,000	93,632.00
VB68ADT25886S	3/8/1999	50019961	T95292		704	133,000.00	/	1,000	93,632.00
VB68ADT25886S	3/8/1999	50019971	T95292		704	133,000.00	/	1,000	93,632.00
VB68ADT25886S	4/12/1999	50030549	T95292		-1	133,000.00	/	1,000	-133
VB68ADT25886S	4/21/1999	50032494	T95292		-1	133,000.00	/	1,000	-133
VB68ADT25886S	4/30/1999	50036270	T95292		272	133,000.00	/	1,000	36,176.00
VB68ADT25886S	5/27/1999	50045388	T95292		-2	133,000.00	/	1,000	-266
VB68ADT25893S	5/22/1999	50043425	4500007618		704	133,000.00	/	1,000	93,632.00
VB68ADT25893S	6/1/1999	50045986	4500007618		704	133,000.00	/	1,000	93,632.00
VB90AFX1513*S	2/9/1999	50013587	T95291		264	443,000.00	/	1,000	116,952.00
VB90AFX1513*S	2/26/1999	50017361	T95291		264	443,000.00	/	1,000	116,952.00
VB90AFX1513*S	2/26/1999	50017273	T95291		264	443,000.00	/	1,000	116,952.00

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Total Price 37,447,244.00

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VB48KRD89X/3E	1/11/1999	50004410	4500000323	1,344.00	61,500.00	/	1,000	82,656.00
VB48KRD89X/3E	1/11/1999	50004400	4500000323	1,344.00	61,500.00	/	1,000	82,656.00
VB48KRD89X/3E	1/11/1999	50004408	4500000323	1,344.00	61,500.00	/	1,000	82,656.00
VB48KRD89X/3E	1/11/1999	50004407	4500000323	1,344.00	61,500.00	/	1,000	82,656.00
VB48KRD89X/3E	1/11/1999	50004406	4500000323	1,344.00	61,500.00	/	1,000	82,656.00
VB48KRD89X/3E	1/11/1999	50004409	4500000323	1,344.00	61,500.00	/	1,000	82,656.00
VB48KRD89X/3E	1/11/1999	50004401	4500000323	1,344.00	61,500.00	/	1,000	82,656.00
VB48KRD89X/3E	1/11/1999	50004405	4500000323	1,344.00	61,500.00	/	1,000	82,656.00
VB48KRD89X/3E	1/11/1999	50004402	4500000323	1,344.00	61,500.00	/	1,000	82,656.00

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VB48KRD89X/3E	1/11/1999	50004404	4500000323	1,344.00	61,500.00	/		1,000	82,656.00
VB48KRD89X/3E	1/11/1999	50004403	4500000323	1,344.00	61,500.00	/		1,000	82,656.00
VB48KRD89X/3E	1/20/1999	50005888	4500000323	1,344.00	61,500.00	/		1,000	82,656.00
Vendor : S24						Total Price		991,872.00	
Vendor : T02									
VB48KZL70X/*S	1/4/1999	50003167	T95260	1,344.00	64,000.00	/		1,000	86,016.00
VB48KZL70X/*S	1/4/1999	50003280	T95260	1,344.00	64,000.00	/		1,000	86,016.00
VB48KZL70X/*S	1/4/1999	50003177	T95260	1,344.00	64,000.00	/		1,000	86,016.00
VB48KZL70X/*S	1/5/1999	50003527	T95260	1,344.00	64,000.00	/		1,000	86,016.00
VB48KZL70X/*S	1/5/1999	50003529	T95260	1,344.00	64,000.00	/		1,000	86,016.00

Vendor : S24

Total Price 991,872.00

Vendor : T02

VB48KZL70X/*S	1/4/1999	50003167	T95260	1,344.00	64,000.00	/	1,000	86,016.00
VB48KZL70X/*S	1/4/1999	50003280	T95260	1,344.00	64,000.00	/	1,000	86,016.00
VB48KZL70X/*S	1/4/1999	50003177	T95260	1,344.00	64,000.00	/	1,000	86,016.00
VB48KZL70X/*S	1/5/1999	50003527	T95260	1,344.00	64,000.00	/	1,000	86,016.00
VB48KZL70X/*S	1/5/1999	50003529	T95260	1,344.00	64,000.00	/	1,000	86,016.00



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VB48KZL70X/*S	1/7/1999	50003945	T95260	1,344.00	64,000.00	/	1,000	86,016.00
VB48KZL70X/*S	1/8/1999	50004009	T95260	1,344.00	64,000.00	/	1,000	86,016.00
VB48KZL70X/*S	1/22/1999	50006929	T95260	300	64,000.00	/	1,000	19,200.00
VB48KZL70X/*S	3/31/1999	50027902	T95260	-31	64,000.00	/	1,000	-1,984.00
VB51KZR50X/*S	1/4/1999	50003166	T95261	1,200.00	72,000.00	/	1,000	86,400.00
VB51KZR50X/*S	1/5/1999	50003528	T95261	1,200.00	72,000.00	/	1,000	86,400.00
VB51KZR50X/*S	3/31/1999	50027901	T95261	-20	72,000.00	/	1,000	-1,440.00
VB90AHH5006*S	1/11/1999	50004313	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	1/11/1999	50004334	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	1/20/1999	50005849	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	1/25/1999	50008167	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	1/25/1999	50008166	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	1/26/1999	50008545	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/2/1999	50018780	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/4/1999	50019622	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/8/1999	50019966	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/9/1999	50020698	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/12/1999	50021733	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/15/1999	50022127	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/15/1999	50022042	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/17/1999	50022582	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/31/1999	50027900	T95286	-31	409,000.00	/	1,000	-12,679.00
VB90AHH5006*S	4/9/1999	50030126	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/9/1999	50030125	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/12/1999	50030470	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/14/1999	50031050	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/16/1999	50031602	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/19/1999	50031853	T95286	-2	409,000.00	/	1,000	-818
VB90AHH5006*S	4/19/1999	50031991	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/22/1999	50033938	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/26/1999	50034768	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/27/1999	50035059	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/28/1999	50035095	T95286	-4	409,000.00	/	1,000	-1,636.00
VB90AHH5006*S	5/3/1999	50036406	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/4/1999	50036975	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/6/1999	50038356	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/11/1999	50039556	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/12/1999	50040075	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/14/1999	50040602	T95286	-4	409,000.00	/	1,000	-1,636.00
VB90AHH5006*S	5/14/1999	50040428	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/17/1999	50040910	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/24/1999	50043496	T95286	288	409,000.00	/	1,000	117,792.00

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VB90AHH5006*S	5/26/1999	50045003	T95286		-4	409,000.00	/	1,000	-1,636.00
VB90AHH5006*S	5/28/1999	50045803	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	6/1/1999	50045913	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	6/9/1999	50048535	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	6/11/1999	50049033	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	6/14/1999	50049591	T95286		228	409,000.00	/	1,000	93,252.00
VB90AHH5006*S	6/15/1999	50050284	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	6/18/1999	50050913	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	6/22/1999	50052121	T95286		-228	409,000.00	/	1,000	-93,252.00
VB90AHH5006*S	6/22/1999	50052123	T95286		288	409,000.00	/	1,000	117,792.00
Vendor : T02							Total Price	5,248,379.00	

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## Selection Options Chosen

Vendor H01  
Vendor M14  
Vendor P01  
Vendor R01  
Vendor T02  
Vendor S24  
Plant SM01  
GR Posting Date 07/01/1999 - 12/31/1999

Program: ZRPP0138  
Date: 11/21/2012

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Material	GR Posting Date	Material Dc PO Number	Deliv.Note	GR Quantity	Unit Price	/	Price Unit	Net Price
Vendor : H01								
VB80LJF3015*S	7/7/1999	50055544 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/9/1999	50056457 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/9/1999	50056458 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/12/1999	50056803 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/12/1999	50056804 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/12/1999	50056800 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/12/1999	50056801 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/12/1999	50056802 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/14/1999	50057811 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/14/1999	50057812 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/15/1999	50058252 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/15/1999	50058350 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/15/1999	50058401 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/16/1999	50058445 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/16/1999	50058446 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/17/1999	50058683 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/19/1999	50058834 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/19/1999	50058832 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/19/1999	50058831 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/22/1999	50061064 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/22/1999	50060680 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/22/1999	50060681 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/23/1999	50061300 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/27/1999	50061659 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/27/1999	50061991 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	7/27/1999	50062136 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/2/1999	50064130 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/2/1999	50064292 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/2/1999	50064103 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/3/1999	50064497 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/3/1999	50064707 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/4/1999	50064992 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/4/1999	50064779 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/4/1999	50064778 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/5/1999	50065129 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/5/1999	50065438 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/5/1999	50065160 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/5/1999	50065414 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/5/1999	50065128 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/10/1999	50066658 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/10/1999	50066657 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/10/1999	50066432 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/10/1999	50066600 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/11/1999	50066876 T95287	-23	242,500.00	/	1,000	-5,577.50	
VB80LJF3015*S	8/11/1999	50066725 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/12/1999	50067440 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/12/1999	50067346 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/13/1999	50067479 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/13/1999	50067470 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/17/1999	50068172 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/17/1999	50068116 T95287	448	242,500.00	/	1,000	108,640.00	

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VB80LJF3015*S	8/18/1999	50068439 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/18/1999	50068441 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/19/1999	50068734 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/19/1999	50068726 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/19/1999	50068724 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/20/1999	50069729 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/23/1999	50069955 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/23/1999	50069959 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/25/1999	50071487 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/25/1999	50071485 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/25/1999	50071486 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/25/1999	50071253 T95287	2	242,500.00	/	1,000	485	
VB80LJF3015*S	8/26/1999	50071559 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/27/1999	50072471 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/27/1999	50072429 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/30/1999	50072545 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/31/1999	50072874 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	8/31/1999	50072873 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	9/1/1999	50073096 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	9/1/1999	50073405 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	9/8/1999	50074842 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	9/8/1999	50075001 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	9/8/1999	50074742 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	9/9/1999	50075732 T95287	448	242,500.00	/	1,000	108,640.00	
VB80LJF3015*S	9/9/1999	50075649 T95287	448	242,500.00	/	1,000	108,640.00	

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VB80LJF3015*S	9/9/1999	50075730 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	9/16/1999	50077858 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	9/20/1999	50078911 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	9/20/1999	50078905 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	9/20/1999	50078909 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	9/20/1999	50078903 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	9/21/1999	50079521 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	9/21/1999	50079522 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	9/21/1999	50079529 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	9/21/1999	50079525 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	9/21/1999	50079424 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	9/22/1999	50079627 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	9/22/1999	50079565 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	9/24/1999	50080414 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	9/24/1999	50080436 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	9/24/1999	50080715 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	9/28/1999	50081414 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	9/29/1999	50082048 T95287	-14	242,500.00	/	1,000	-3,395.00
VB80LJF3015*S	9/29/1999	50081815 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	9/30/1999	50082079 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/4/1999	50082975 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/4/1999	50083088 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/5/1999	50083092 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/6/1999	50083459 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/6/1999	50083461 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/6/1999	50083460 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/12/1999	50084814 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/12/1999	50085759 T95287	448	242,500.00	/	1,000	108,640.00

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VB80LJF3015*S	10/12/1999	50085809 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/12/1999	50085761 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/13/1999	50085971 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/13/1999	50086188 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/13/1999	50086088 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/14/1999	50086302 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/14/1999	50086531 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/14/1999	50086309 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/15/1999	50086577 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/15/1999	50086578 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/15/1999	50087085 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/18/1999	50087883 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/18/1999	50087885 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/22/1999	50090015 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/22/1999	50089938 T95287		-15	242,500.00	/	1,000	-3,637.50
VB80LJF3015*S	10/25/1999	50090189 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/25/1999	50090188 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/25/1999	50090211 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/26/1999	50090714 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/26/1999	50090560 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/26/1999	50090544 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/26/1999	50090541 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/26/1999	50090680 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/26/1999	50090685 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/27/1999	50091106 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/27/1999	50091076 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/27/1999	50091088 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/27/1999	50091105 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/28/1999	50091578 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/29/1999	50092101 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/29/1999	50092130 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/29/1999	50092108 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/29/1999	50092103 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/29/1999	50092109 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	10/29/1999	50092105 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/2/1999	50092617 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/2/1999	50092616 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/3/1999	50093823 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/3/1999	50093824 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/5/1999	50094396 T95287		-448	242,500.00	/	1,000	-108,640.00
VB80LJF3015*S	11/5/1999	50094811 T95287		248	242,500.00	/	1,000	60,140.00
VB80LJF3015*S	11/10/1999	50095973 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/10/1999	50095760 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/11/1999	50095988 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/11/1999	50096066 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/11/1999	50096743 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/11/1999	50096904 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/12/1999	50097170 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/12/1999	50097322 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/15/1999	50097509 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/15/1999	50097508 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/16/1999	50097933 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/16/1999	50098007 T95287		448	242,500.00	/	1,000	108,640.00

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VB80LJF3015*S	11/16/1999	50098008 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/17/1999	50098207 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/17/1999	50098250 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/17/1999	50098255 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/19/1999	50098860 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/24/1999	50100470 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/24/1999	50100472 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/24/1999	50100473 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/24/1999	50100616 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/24/1999	50100393 T95287		-448	242,500.00	/	1,000	-108,640.00
VB80LJF3015*S	11/29/1999	50100683 T95287		448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/29/1999	50100766 T95287		448	242,500.00	/	1,000	108,640.00

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VB80LJF3015*S	11/29/1999	50101068 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/29/1999	50100943 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	11/29/1999	50100974 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/3/1999	50103086 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/3/1999	50103006 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/6/1999	50103523 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/7/1999	50103697 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/7/1999	50103698 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/7/1999	50103531 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/7/1999	50103695 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/7/1999	50103696 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/10/1999	50104966 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/13/1999	50105298 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/13/1999	50105299 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/13/1999	50105046 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/13/1999	50105296 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/14/1999	50105653 T95287	-448	242,500.00	/	1,000	-108,640.00
VB80LJF3015*S	12/14/1999	50105654 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/14/1999	50105656 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/14/1999	50105712 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/14/1999	50105421 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/14/1999	50105456 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/15/1999	50105875 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/15/1999	50105775 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/15/1999	50105818 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/15/1999	50105819 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/16/1999	50106070 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/16/1999	50106029 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	12/16/1999	50106172 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3016*S	8/11/1999	50066877 T95288	-1	242,500.00	/	1,000	-242.5
VB80LJF3016*S	9/15/1999	50077702 T95288	448	242,500.00	/	1,000	108,640.00
VB80LJF3016*S	9/15/1999	50077559 T95288	448	242,500.00	/	1,000	108,640.00
VB80LJF3016*S	11/5/1999	50094814 T95288	200	242,500.00	/	1,000	48,500.00
VB80LJF3016*S	11/24/1999	50100471 T95288	448	242,500.00	/	1,000	108,640.00
VB80LJF3016*S	12/16/1999	50106121 T95288	448	242,500.00	/	1,000	108,640.00
Vendor : H01				Total Price		20,846,512.50	

Vendor : P01

VB63AFW32X/*S	7/9/1999	50056329 T95294	-16	98,000.00	/	1,000	-1,568.00
VB63AFW32X/*S	7/9/1999	50056467 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/12/1999	50056806 T95294	800	98,000.00	/	1,000	78,400.00

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VB63AFW32X/*S	7/12/1999	50056865 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/12/1999	50056862 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/12/1999	50056863 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/12/1999	50056864 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/13/1999	50057640 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/13/1999	50057707 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/13/1999	50057028 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/14/1999	50057814 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/14/1999	50057813 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/14/1999	50058007 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/14/1999	50058008 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/14/1999	50058009 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/14/1999	50057915 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/15/1999	50058352 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/15/1999	50058351 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/15/1999	50058251 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/16/1999	50058443 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/16/1999	50058449 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/16/1999	50058570 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/16/1999	50058682 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/16/1999	50058680 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/19/1999	50058798 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/19/1999	50058799 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/19/1999	50058810 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/19/1999	50058818 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/19/1999	50058819 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/21/1999	50060636 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/21/1999	50060520 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/21/1999	50060638 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/21/1999	50060479 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/22/1999	50060685 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/22/1999	50061060 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/22/1999	50060742 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/22/1999	50060686 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/22/1999	50060683 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/22/1999	50060684 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/22/1999	50060682 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/23/1999	50061049 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/23/1999	50061157 T95294		-32	98,000.00	/	1,000	-3,136.00
VB63AFW32X/*S	7/23/1999	50061215 T95294		-32	98,000.00	/	1,000	-3,136.00
VB63AFW32X/*S	7/23/1999	50061155 T95294		32	98,000.00	/	1,000	3,136.00
VB63AFW32X/*S	7/23/1999	50061203 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/23/1999	50061379 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/23/1999	50061110 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/23/1999	50061048 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/26/1999	50061426 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/26/1999	50061428 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/27/1999	50062121 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/27/1999	50062356 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/29/1999	50063024 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/30/1999	50063592 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/30/1999	50063593 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	7/30/1999	50063543 T95294		800	98,000.00	/	1,000	78,400.00

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Material	GR Posting Date	Material Dc PO Number	Deliv.Note	GR Quantity	Unit Price	/	Price Unit	Net Price
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Material	GR Posting Date	Material Dc PO Number	Deliv.Note	GR Quantity	Unit Price	/	Price Unit	Net Price
VB63AFW32X/*S	8/18/1999	50068440 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/19/1999	50068921 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/19/1999	50068728 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/19/1999	50068725 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/20/1999	50069913 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/20/1999	50069912 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/20/1999	50069911 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/20/1999	50068959 T95294		-96	98,000.00	/	1,000	-9,408.00
VB63AFW32X/*S	8/20/1999	50069072 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/23/1999	50069953 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/25/1999	50071488 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/25/1999	50071337 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/25/1999	50071489 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/25/1999	50071239 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/25/1999	50071238 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/26/1999	50071650 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/26/1999	50071609 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/26/1999	50071620 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/26/1999	50072094 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/26/1999	50071608 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/26/1999	50071622 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/27/1999	50071927 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/27/1999	50071926 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/27/1999	50072199 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/27/1999	50072198 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/31/1999	50073116 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/31/1999	50072878 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/31/1999	50072883 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/31/1999	50073112 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/31/1999	50073115 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	8/31/1999	50072875 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	9/1/1999	50073098 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	9/1/1999	50073415 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	9/1/1999	50073407 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	9/1/1999	50073406 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	9/1/1999	50073342 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	9/2/1999	50073926 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	9/2/1999	50073927 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	9/2/1999	50073367 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	9/2/1999	50073934 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	9/3/1999	50074052 T95294		-48	98,000.00	/	1,000	-4,704.00
VB63AFW32X/*S	9/8/1999	50074840 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	9/8/1999	50074713 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	9/8/1999	50074712 T95294		800	98,000.00	/	1,000	78,400.00



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Material	GR Posting Date	Material Dc PO Number	Deliv.Note	GR Quantity	Unit Price	/	Price Unit	Net Price
VB63AFW32X/*S	10/6/1999	50083463	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/6/1999	50083462	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/6/1999	50083465	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/6/1999	50083466	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/8/1999	50084034	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/8/1999	50084035	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/8/1999	50084036	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/8/1999	50084037	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/8/1999	50084128	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/11/1999	50084812	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/11/1999	50084552	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/11/1999	50084551	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/11/1999	50084553	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/11/1999	50084554	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/12/1999	50085808	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/12/1999	50085807	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/13/1999	50085949	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/13/1999	50085947	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/13/1999	50085948	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/13/1999	50086215	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/13/1999	50086214	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/13/1999	50086126	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/14/1999	50086521	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/14/1999	50086443	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/14/1999	50086361	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/14/1999	50086360	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/15/1999	50086529	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/15/1999	50087096	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/15/1999	50086576	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/15/1999	50086570	T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	10/15/1999	50086528	T95294	800	98,000.00	/	1,000	78,400.00

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VB63AFW32X/*S	11/19/1999	50098862 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	11/19/1999	50098861 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	11/22/1999	50099187 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	11/22/1999	50099186 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	11/22/1999	50099169 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	11/22/1999	50099168 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	11/23/1999	50099580 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	11/23/1999	50099349 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	11/23/1999	50100295 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	11/23/1999	50100297 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	11/24/1999	50100610 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	11/24/1999	50100474 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	11/24/1999	50100369 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	11/24/1999	50100368 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	11/24/1999	50100390 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	11/29/1999	50100688 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	11/29/1999	50101066 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	11/29/1999	50101067 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	11/30/1999	50101214 T95294	-120	98,000.00	/	1,000	-11,760.00
VB63AFW32X/*S	11/30/1999	50101403 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	11/30/1999	50101149 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/2/1999	50101906 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/2/1999	50101936 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/2/1999	50102068 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/3/1999	50103059 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/3/1999	50103058 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/6/1999	50103292 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/6/1999	50103197 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/6/1999	50103199 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/6/1999	50103291 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/6/1999	50103195 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/6/1999	50103192 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/6/1999	50103290 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/7/1999	50103532 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/7/1999	50103823 T95294	800	98,000.00	/	1,000	78,400.00
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Material	GR Posting Date	Material Dc PO Number	Deliv.Note	GR Quantity	Unit Price	/	Price Unit	Net Price
VB63AFW32X/*S	12/7/1999	50103699 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/7/1999	50103657 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/7/1999	50103650 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/7/1999	50103533 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/8/1999	50103860 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/8/1999	50104042 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/8/1999	50104034 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/8/1999	50104033 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/8/1999	50103912 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/8/1999	50103862 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/9/1999	50104426 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/9/1999	50104427 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/9/1999	50104087 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/10/1999	50104841 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/10/1999	50104969 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/13/1999	50105043 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/13/1999	50105044 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/14/1999	50105530 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/14/1999	50105459 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/14/1999	50105713 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/14/1999	50105531 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/14/1999	50105715 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/14/1999	50105457 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/14/1999	50105458 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/14/1999	50105714 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/15/1999	50105820 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/15/1999	50105821 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/15/1999	50105822 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/16/1999	50106185 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/16/1999	50106175 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/16/1999	50106076 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/16/1999	50106075 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/16/1999	50106074 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/16/1999	50106072 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/20/1999	50107199 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/20/1999	50107252 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/20/1999	50107256 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/20/1999	50107196 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/20/1999	50107242 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/20/1999	50107240 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/20/1999	50107241 T95294		800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	12/21/1999	50107456 T95294		800	98,000.00	/	1,000	78,400.00
Vendor : P01					Total Price		31,705,156.00	

Vendor : R01							
VB68ADT2503*S	7/7/1999	50055542 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/8/1999	50056253 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/8/1999	50056273 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/8/1999	50056258 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/8/1999	50056270 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/8/1999	50056257 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/8/1999	50056272 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/8/1999	50056274 T95289	704	133,000.00	/	1,000	93,632.00

Material	GR Posting Date	Material Dc PO Number	Deliv.Note	GR Quantity	Unit Price	/	Price Unit	Net Price
VB68ADT2503*S	7/9/1999	50056461 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/9/1999	50056460 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/9/1999	50056545 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/9/1999	50056563 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/12/1999	50056768 T95289		704	133,000.00	/	1,000	93,632.00

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VB68ADT2503*S	7/12/1999	50056769 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/13/1999	50057022 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/13/1999	50057476 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/13/1999	50057025 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/15/1999	50058156 T95289	-48	133,000.00	/	1,000	-6,384.00
VB68ADT2503*S	7/22/1999	50060609 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/22/1999	50060920 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/23/1999	50061158 T95289	-4	133,000.00	/	1,000	-532
VB68ADT2503*S	7/26/1999	50061577 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/26/1999	50061570 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/26/1999	50061424 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/26/1999	50061862 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/26/1999	50061863 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/26/1999	50061864 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/26/1999	50061422 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/27/1999	50061891 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/27/1999	50062353 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/27/1999	50062279 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/27/1999	50062134 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/27/1999	50062133 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/27/1999	50061892 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/28/1999	50062853 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/29/1999	50063145 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/29/1999	50062991 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/29/1999	50063431 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/29/1999	50062990 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/29/1999	50062789 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/29/1999	50062788 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/29/1999	50062992 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	7/30/1999	50063541 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	8/2/1999	50064120 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	8/2/1999	50064121 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	8/2/1999	50064286 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	8/2/1999	50064284 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	8/2/1999	50064123 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	8/2/1999	50064122 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	8/5/1999	50065437 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	8/6/1999	50065785 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	8/6/1999	50065784 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	8/6/1999	50065749 T95289	-22	133,000.00	/	1,000	-2,926.00
VB68ADT2503*S	8/9/1999	50066182 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	8/9/1999	50066111 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	8/9/1999	50066012 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	8/9/1999	50066013 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	8/9/1999	50066039 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	8/10/1999	50066315 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	8/10/1999	50066561 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	8/11/1999	50066854 T95289	704	133,000.00	/	1,000	93,632.00

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VB68ADT2503*S	8/11/1999	50067009 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/11/1999	50067080 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/11/1999	50066803 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/11/1999	50067008 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/11/1999	50066875 T95289	-5	133,000.00	/	1,000	-665	
VB68ADT2503*S	8/11/1999	50067007 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/11/1999	50066978 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/11/1999	50066976 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/12/1999	50067175 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/12/1999	50067174 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/12/1999	50067137 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/12/1999	50067441 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/13/1999	50067490 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/13/1999	50067638 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/16/1999	50068100 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/17/1999	50068118 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/17/1999	50068145 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/17/1999	50068207 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/17/1999	50068148 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/19/1999	50068731 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/19/1999	50068732 T95289	-30	133,000.00	/	1,000	-3,990.00	
VB68ADT2503*S	8/20/1999	50069811 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/20/1999	50069915 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/20/1999	50069914 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/20/1999	50069723 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/20/1999	50069810 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/20/1999	50069725 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/23/1999	50070631 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/24/1999	50070796 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/24/1999	50071141 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/24/1999	50071140 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/25/1999	50071237 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/25/1999	50071236 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/25/1999	50071580 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/27/1999	50072130 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/30/1999	50072542 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/30/1999	50072752 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/30/1999	50072669 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/30/1999	50072544 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/30/1999	50072543 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	8/31/1999	50072768 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	9/1/1999	50073400 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	9/2/1999	50073915 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	9/3/1999	50074047 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	9/3/1999	50074053 T95289	-28	133,000.00	/	1,000	-3,724.00	
VB68ADT2503*S	9/3/1999	50074046 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	9/7/1999	50074257 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	9/7/1999	50074256 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	9/7/1999	50074258 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	9/7/1999	50074642 T95289	704	133,000.00	/	1,000	93,632.00	

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VB68ADT2503*S	9/7/1999	50074467 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/7/1999	50074255 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/8/1999	50074848 T95289	704	133,000.00	/	1,000	93,632.00

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Material	GR Posting Date	Material Dc PO Number	Deliv.Note	GR Quantity	Unit Price	/	Price Unit	Net Price
VB68ADT2503*S	9/8/1999	50074771 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/8/1999	50074743 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/8/1999	50074744 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/9/1999	50075004 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/9/1999	50075644 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/9/1999	50075646 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/9/1999	50075898 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/9/1999	50075936 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/9/1999	50075937 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/10/1999	50076132 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/10/1999	50076014 T95289		-26	133,000.00	/	1,000	-3,458.00
VB68ADT2503*S	9/10/1999	50076267 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/13/1999	50076383 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/13/1999	50077059 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/13/1999	50076384 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/13/1999	50076382 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/13/1999	50076381 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/16/1999	50078037 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/16/1999	50077727 T95289		-10	133,000.00	/	1,000	-1,330.00
VB68ADT2503*S	9/20/1999	50078889 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/20/1999	50079151 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/20/1999	50079156 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/20/1999	50078902 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/20/1999	50078901 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/20/1999	50078900 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/20/1999	50078887 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/20/1999	50078886 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/20/1999	50078885 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/20/1999	50078888 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/20/1999	50079150 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/20/1999	50078834 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/21/1999	50079205 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/21/1999	50079204 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/21/1999	50079426 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/22/1999	50079629 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/22/1999	50079626 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/22/1999	50079833 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/22/1999	50079834 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/22/1999	50079832 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/23/1999	50080259 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/23/1999	50080073 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/23/1999	50080072 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/27/1999	50081157 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/27/1999	50081156 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/27/1999	50081155 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/27/1999	50081154 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/27/1999	50081152 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/27/1999	50081218 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/27/1999	50081153 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/27/1999	50081291 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/27/1999	50081297 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/27/1999	50081217 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/28/1999	50081388 T95289		-63	133,000.00	/	1,000	-8,379.00

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VB68ADT2503*S	9/28/1999	50081411 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/28/1999	50081730 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	9/30/1999	50082172 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/4/1999	50083083 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/4/1999	50083085 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/4/1999	50083087 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/4/1999	50082793 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/4/1999	50082794 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/4/1999	50082972 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/4/1999	50082995 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/4/1999	50083101 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/4/1999	50083104 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/6/1999	50083457 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/6/1999	50083455 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/7/1999	50083917 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/7/1999	50083919 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/7/1999	50083938 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/8/1999	50083970 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/8/1999	50084248 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/8/1999	50084221 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/8/1999	50084033 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/8/1999	50084031 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/11/1999	50084758 T95289		-60	133,000.00	/	1,000	-7,980.00
VB68ADT2503*S	10/11/1999	50084309 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/11/1999	50084550 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/11/1999	50084307 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/11/1999	50084308 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/15/1999	50087068 T95289		-41	133,000.00	/	1,000	-5,453.00
VB68ADT2503*S	10/18/1999	50088078 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/18/1999	50088077 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/18/1999	50087893 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/21/1999	50089402 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/21/1999	50089401 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/21/1999	50089853 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/21/1999	50089851 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/21/1999	50089662 T95289		704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/22/1999	50089950 T95289		704	133,000.00	/	1,000	93,632.00

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VB68ADT2503*S	10/22/1999	50089919 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/26/1999	50090684 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/26/1999	50090715 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/26/1999	50090548 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/26/1999	50090512 T95289	-12	133,000.00	/	1,000	-1,596.00
VB68ADT2503*S	10/27/1999	50091434 T95289	37,616.00	133,000.00	/	1,000	5,002,928.00
VB68ADT2503*S	10/27/1999	50091431 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/27/1999	50091043 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/27/1999	50091107 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/28/1999	50091754 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/28/1999	50091837 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/28/1999	50091835 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/28/1999	50091750 T95289	#####	133,000.00	/	1,000	-5,002,928.00
VB68ADT2503*S	10/28/1999	50091753 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/29/1999	50092004 T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	10/29/1999	50092003 T95289	704	133,000.00	/	1,000	93,632.00

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VB68ADT2503*S	10/29/1999	50092001 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	10/30/1999	50092264 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/2/1999	50093646 T95289	-15	133,000.00	/	1,000	-1,995.00	
VB68ADT2503*S	11/8/1999	50095275 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/8/1999	50095168 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/8/1999	50095167 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/8/1999	50095196 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/8/1999	50095274 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/10/1999	50096060 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/11/1999	50096822 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/12/1999	50097172 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/12/1999	50097171 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/15/1999	50097505 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/15/1999	50097504 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/15/1999	50097558 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/15/1999	50097507 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/15/1999	50097506 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/16/1999	50097915 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/16/1999	50097914 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/16/1999	50097912 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/16/1999	50097911 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/17/1999	50098203 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/17/1999	50098201 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/18/1999	50098422 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/18/1999	50098423 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/22/1999	50099167 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/23/1999	50100298 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/23/1999	50099960 T95289	-18	133,000.00	/	1,000	-2,394.00	
VB68ADT2503*S	11/24/1999	50100363 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/24/1999	50100364 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/24/1999	50100497 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/24/1999	50100617 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/24/1999	50100611 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/24/1999	50100499 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/24/1999	50100498 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	11/29/1999	50100976 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	12/1/1999	50101884 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	12/1/1999	50101883 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	12/1/1999	50101764 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	12/2/1999	50102066 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	12/2/1999	50102079 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	12/3/1999	50102206 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	12/6/1999	50103169 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	12/6/1999	50103114 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	12/6/1999	50103187 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	12/6/1999	50103186 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	12/6/1999	50103188 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	12/6/1999	50103185 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	12/8/1999	50104043 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	12/8/1999	50103832 T95289	-29	133,000.00	/	1,000	-3,857.00	
VB68ADT2503*S	12/10/1999	50104737 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	12/13/1999	50105108 T95289	704	133,000.00	/	1,000	93,632.00	
VB68ADT2503*S	12/13/1999	50105100 T95289	704	133,000.00	/	1,000	93,632.00	

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VB68ADT2506*S	7/7/1999	50055541 T95290	704	133,000.00	/	1,000	93,632.00	
VB68ADT2506*S	7/7/1999	50055543 T95290	704	133,000.00	/	1,000	93,632.00	
VB68ADT2506*S	7/13/1999	50057526 T95290	704	133,000.00	/	1,000	93,632.00	
VB68ADT2506*S	7/15/1999	50058157 T95290	-15	133,000.00	/	1,000	-1,995.00	
VB68ADT2506*S	7/16/1999	50058681 T95290	704	133,000.00	/	1,000	93,632.00	
VB68ADT2506*S	7/19/1999	50059006 T95290	704	133,000.00	/	1,000	93,632.00	
VB68ADT2506*S	7/19/1999	50058835 T95290	704	133,000.00	/	1,000	93,632.00	
VB68ADT2506*S	7/19/1999	50058837 T95290	704	133,000.00	/	1,000	93,632.00	
VB68ADT2506*S	7/22/1999	50061065 T95290	704	133,000.00	/	1,000	93,632.00	
VB68ADT2506*S	7/22/1999	50060607 T95290	704	133,000.00	/	1,000	93,632.00	
VB68ADT2506*S	7/23/1999	50061047 T95290	704	133,000.00	/	1,000	93,632.00	
VB68ADT2506*S	7/23/1999	50061380 T95290	704	133,000.00	/	1,000	93,632.00	
VB68ADT2506*S	7/23/1999	50061159 T95290	-1	133,000.00	/	1,000	-133	
VB68ADT2506*S	7/26/1999	50061423 T95290	704	133,000.00	/	1,000	93,632.00	
VB68ADT2506*S	7/26/1999	50061425 T95290	704	133,000.00	/	1,000	93,632.00	
VB68ADT2506*S	8/2/1999	50064285 T95290	704	133,000.00	/	1,000	93,632.00	
VB68ADT2506*S	8/3/1999	50064296 T95290	704	133,000.00	/	1,000	93,632.00	
VB68ADT2506*S	8/3/1999	50064423 T95290	704	133,000.00	/	1,000	93,632.00	
VB68ADT2506*S	8/3/1999	50064634 T95290	704	133,000.00	/	1,000	93,632.00	
VB68ADT2506*S	8/3/1999	50064295 T95290	704	133,000.00	/	1,000	93,632.00	
VB68ADT2506*S	8/6/1999	50065750 T95290	-17	133,000.00	/	1,000	-2,261.00	
VB68ADT2506*S	8/18/1999	50068683 T95290	704	133,000.00	/	1,000	93,632.00	
VB68ADT2506*S	8/19/1999	50068733 T95290	-1	133,000.00	/	1,000	-133	
VB68ADT2506*S	8/19/1999	50068922 T95290	704	133,000.00	/	1,000	93,632.00	

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Vendor : T02



July 1999 - Dec 31 1999

VB90AHH5001*S	8/17/1999	50068147 4500018346	32	423	/	1	13,536.00
VB90AHH5006*S	7/8/1999	50056147 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	7/12/1999	50056805 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	7/12/1999	50056767 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	8/2/1999	50063890 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	8/4/1999	50064576 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	8/5/1999	50065125 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	8/16/1999	50067780 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	8/17/1999	50068146 T95286	256	409,000.00	/	1,000	104,704.00
VB90AHH5006*S	8/17/1999	50068151 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	8/30/1999	50072553 T95286	-6	409,000.00	/	1,000	-2,454.00
VB90AHH5006*S	9/28/1999	50081412 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	9/29/1999	50081964 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	9/30/1999	50082076 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	9/30/1999	50082323 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	9/30/1999	50082324 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	10/18/1999	50088011 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	10/18/1999	50087894 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	10/20/1999	50088625 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	10/21/1999	50088719 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	10/27/1999	50091070 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	11/2/1999	50092613 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	11/5/1999	50094815 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	11/9/1999	50095367 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	11/10/1999	50095829 T95286	-24	409,000.00	/	1,000	-9,816.00
VB90AHH5006*S	11/11/1999	50096095 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	11/11/1999	50096096 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	11/17/1999	50098181 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	11/18/1999	50098421 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	11/19/1999	50098855 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	11/29/1999	50100962 T95286	-13	409,000.00	/	1,000	-5,317.00
VB90AHH5006*S	11/30/1999	50101382 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	12/1/1999	50101763 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	12/3/1999	50102231 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	12/6/1999	50103190 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	12/7/1999	50103700 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	12/8/1999	50103848 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	12/9/1999	50104565 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	12/10/1999	50104774 T95286	-13	409,000.00	/	1,000	-5,317.00
VB90AHH5006*S	12/13/1999	50105042 T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	12/13/1999	50105041 T95286	288	409,000.00	/	1,000	117,792.00

Vendor : T02  
Program: ZRPP0138  
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Total Price 4,218,056.00

Material	GR Posting Date	Material Dc PO Number	Deliv.Note	GR Quantity	Unit Price	/	Price Unit	Net Price
No of Records found : 1,045								

Jan 2000 - June 30 2000

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Date: 11/21/2012

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## Selection Options Chosen

Vendor H01  
Vendor M14  
Vendor P01  
Vendor R01  
Vendor T02  
Vendor S24  
Plant SM01  
GR Posting Date 01/01/2000 - 06/30/2000

Program: ZRPP0138  
Date: 11/21/2012

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Material	GR Posting Date	Material Doc.	PO Number	Deliv.Note	GR Quantity	Unit Price	/ Price Unit	
Vendor : H01								
RCILH0108MEZZ	4/27/2000	5000031684	4500037773		50	15.2	/	1 760
VB80LJF3015*S	1/4/2000	5000000124	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	1/11/2000	5000001163	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	1/11/2000	5000001237	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	1/12/2000	5000001809	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	1/12/2000	5000001926	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	1/12/2000	5000001924	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	1/12/2000	5000001769	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	1/13/2000	5000002018	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	1/13/2000	5000002339	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	1/13/2000	5000002412	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	1/14/2000	5000002641	T95287		488	242,500.00	/	1,000 118,340.00
VB80LJF3015*S	1/14/2000	5000002642	T95287		488	242,500.00	/	1,000 118,340.00
VB80LJF3015*S	1/18/2000	5000003526	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	1/25/2000	5000005480	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	1/26/2000	5000005595	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	1/26/2000	5000005596	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	1/27/2000	5000005817	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	1/27/2000	5000005816	T95287		488	242,500.00	/	1,000 118,340.00
VB80LJF3015*S	1/27/2000	5000005818	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	1/28/2000	5000006335	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	1/31/2000	5000006436	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	1/31/2000	5000006437	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/1/2000	5000006906	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/1/2000	5000006876	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/2/2000	5000007017	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/2/2000	5000007091	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/2/2000	5000007107	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/2/2000	5000007158	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/3/2000	5000007224	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/3/2000	5000008412	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/3/2000	5000008148	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/3/2000	5000007226	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/3/2000	5000007225	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/4/2000	5000008655	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/4/2000	5000008659	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/4/2000	5000008656	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/7/2000	5000009131	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/7/2000	5000008900	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/7/2000	5000009130	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/8/2000	5000009251	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/8/2000	5000009431	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/8/2000	5000009229	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/8/2000	5000009267	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/8/2000	5000009268	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/8/2000	5000009269	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/8/2000	5000009430	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/11/2000	5000010280	T95287		-32	242,500.00	/	1,000 -7,760.00
VB80LJF3015*S	2/16/2000	5000011723	T95287		-448	242,500.00	/	1,000 -108,640.00
VB80LJF3015*S	2/17/2000	5000012010	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/17/2000	5000012144	T95287		448	242,500.00	/	1,000 108,640.00
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Date: 11/21/2012					Six Month Parts by Supplier Re		Client: 100	
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Material	GR Posting Date	Material Doc.	PO Number	Deliv.Note	GR Quantity	Unit Price	/ Price Unit	
VB80LJF3015*S	2/18/2000	5000012196	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/18/2000	5000012304	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/22/2000	5000012542	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/22/2000	5000012548	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	2/23/2000	5000012856	T95287		-40	242,500.00	/	1,000 -9,700.00
VB80LJF3015*S	2/23/2000	5000012855	T95287		-40	242,500.00	/	1,000 -9,700.00
VB80LJF3015*S	2/25/2000	5000013528	T95287		-16	242,500.00	/	1,000 -3,880.00
VB80LJF3015*S	2/25/2000	5000013527	T95287		-30	242,500.00	/	1,000 -7,275.00
VB80LJF3015*S	3/2/2000	5000015426	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	3/2/2000	5000015168	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	3/2/2000	5000015202	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	3/2/2000	5000015209	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	3/2/2000	5000015223	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	3/2/2000	5000015222	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	3/6/2000	5000016592	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	3/6/2000	5000016596	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	3/7/2000	5000017054	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	3/7/2000	5000017053	T95287		448	242,500.00	/	1,000 108,640.00
VB80LJF3015*S	3/7/2000	5000016959	T95287		448	242,500.00	/	1,000 108,640.00



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VB80LJF3015*S	3/9/2000	5000017450 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/9/2000	5000017457 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/9/2000	5000017456 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/9/2000	5000017717 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/9/2000	5000017606 T95287	-8	242,500.00	/	1,000	-1,940.00
VB80LJF3015*S	3/10/2000	5000018328 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/13/2000	5000018740 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/13/2000	5000018583 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/14/2000	5000018805 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/15/2000	5000019396 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/16/2000	5000019459 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	3/29/2000	5000023504 T95287	448	242,500.00	/	1,000	108,640.00
VB80LJF3015*S	4/7/2000	5000026554 T95287	-26	242,500.00	/	1,000	-6,305.00
VB80LJF3016*S	2/16/2000	5000011624 T95288	448	242,500.00	/	1,000	108,640.00
VB80LJF3016*S	3/9/2000	5000017591 T95288	448	242,500.00	/	1,000	108,640.00
VB80LJF3016*S	3/24/2000	5000022356 T95288	448	242,500.00	/	1,000	108,640.00
Vendor : H01				Total Price		8,239,940.00	

Vendor : P01							
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VB63AFW32X/*S	1/10/2000	5000000879 T95294	800	98,000.00	/	1,000	78,400.00
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VB63AFW32X/*S	1/10/2000	5000000910 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/10/2000	5000000878 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/10/2000	5000000871 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/10/2000	5000000877 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/10/2000	5000000882 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/10/2000	5000000887 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/10/2000	5000000886 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/10/2000	5000000885 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/11/2000	5000001584 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/11/2000	5000001364 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/11/2000	5000001363 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/11/2000	5000001362 T95294	800	98,000.00	/	1,000	78,400.00
Program: ZRPP0138		Sharp Electronics Corporation	Page: 4				
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Material	GR Posting Date	Material Doc.	PO Number	Deliv.Note	GR Quantity	Unit Price	/ Price Unit
VB63AFW32X/*S	1/11/2000	5000001361 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/12/2000	5000001951 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/12/2000	5000001780 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/12/2000	5000001999 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/13/2000	5000002417 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/13/2000	5000002422 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/14/2000	5000002522 T95294	-80	98,000.00	/	1,000	-7,840.00
VB63AFW32X/*S	1/18/2000	5000003498 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/18/2000	5000003524 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/18/2000	5000003522 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/18/2000	5000003499 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/18/2000	5000003520 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/19/2000	5000004078 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/19/2000	5000004093 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/20/2000	5000004430 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/20/2000	5000004212 T95294	-44	98,000.00	/	1,000	-4,312.00
VB63AFW32X/*S	1/20/2000	5000004359 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/20/2000	5000004355 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/21/2000	5000004913 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/21/2000	5000004751 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/21/2000	5000004750 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/24/2000	5000005017 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/24/2000	5000005018 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/24/2000	5000005019 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/24/2000	5000005016 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/24/2000	5000005014 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/24/2000	5000005015 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/24/2000	5000005191 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/25/2000	5000005444 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/25/2000	5000005349 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/25/2000	5000005481 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/25/2000	5000005260 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/26/2000	5000005586 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/26/2000	5000005597 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/26/2000	5000005587 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/27/2000	5000005815 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/27/2000	5000005821 T95294	-32	98,000.00	/	1,000	-3,136.00
VB63AFW32X/*S	1/31/2000	5000006435 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	1/31/2000	5000006434 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/1/2000	5000006873 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/2/2000	5000007161 T95294	-16	98,000.00	/	1,000	-1,568.00
VB63AFW32X/*S	2/2/2000	5000007015 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/2/2000	5000007016 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/3/2000	5000008370 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/4/2000	5000008653 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/4/2000	5000008702 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/4/2000	5000008746 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/7/2000	5000008903 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/7/2000	5000008901 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/8/2000	5000009217 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/9/2000	5000009691 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/9/2000	5000009692 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/10/2000	5000010142 T95294	800	98,000.00	/	1,000	78,400.00
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VB63AFW32X/*S	2/10/2000	5000010171 T95294	800	98,000.00	/	1,000	78,400.00

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VB63AFW32X/*S	2/11/2000	5000010259 T95294	-30	98,000.00	/	1,000	-2,940.00
VB63AFW32X/*S	2/16/2000	5000011712 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/16/2000	5000011711 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/17/2000	5000012011 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/17/2000	5000012142 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/18/2000	5000012261 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/18/2000	5000012186 T95294	-16	98,000.00	/	1,000	-1,568.00
VB63AFW32X/*S	2/18/2000	5000012303 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/21/2000	5000012391 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/21/2000	5000012392 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/24/2000	5000013144 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/24/2000	5000013436 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/24/2000	5000013437 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/24/2000	5000013146 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/24/2000	5000013147 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/24/2000	5000013261 T95294	-39	98,000.00	/	1,000	-3,822.00
VB63AFW32X/*S	2/24/2000	5000013145 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/24/2000	5000013422 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/25/2000	5000013564 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/25/2000	5000013427 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/25/2000	5000013428 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	2/26/2000	5000013694 T95294	-800	98,000.00	/	1,000	-78,400.00
VB63AFW32X/*S	3/2/2000	5000015292 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/2/2000	5000015277 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/2/2000	5000015276 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/2/2000	5000015299 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/2/2000	5000015421 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/2/2000	5000015378 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/2/2000	5000015427 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/2/2000	5000015295 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/2/2000	5000015296 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/2/2000	5000015275 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/2/2000	5000015274 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/2/2000	5000015302 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/2/2000	5000015294 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/3/2000	5000015447 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/3/2000	5000015448 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/3/2000	5000016182 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/3/2000	5000015433 T95294	-28	98,000.00	/	1,000	-2,744.00
VB63AFW32X/*S	3/3/2000	5000016183 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/6/2000	5000016593 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/6/2000	5000016316 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/6/2000	5000016291 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/7/2000	5000016982 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/8/2000	5000017325 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/9/2000	5000017722 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/9/2000	5000017447 T95294	-32	98,000.00	/	1,000	-3,136.00
VB63AFW32X/*S	3/9/2000	5000017718 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/9/2000	5000017502 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/10/2000	5000018325 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/13/2000	5000018584 T95294	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	3/13/2000	5000018585 T95294	800	98,000.00	/	1,000	78,400.00

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VB63AFW32X/*S	3/14/2000	5000018804 T95294		800	98,000.00	/	1,000
VB63AFW32X/*S	3/14/2000	5000018942 T95294		#####	98,000.00	/	1,000
VB63AFW32X/*S	3/14/2000	5000018941 T95294		11,723.00	98,000.00	/	1,000
VB63AFW32X/*S	3/14/2000	5000018998 T95294		800	98,000.00	/	1,000
VB63AFW32X/*S	3/14/2000	5000019019 T95294		800	98,000.00	/	1,000
VB63AFW32X/*S	3/15/2000	5000019145 T95294		800	98,000.00	/	1,000
VB63AFW32X/*S	3/16/2000	5000019457 T95294		800	98,000.00	/	1,000
VB63AFW32X/*S	3/20/2000	5000020096 T95294		-32	98,000.00	/	1,000
VB63AFW32X/*S	3/20/2000	5000020393 T95294		800	98,000.00	/	1,000
VB63AFW32X/*S	3/20/2000	5000020392 T95294		800	98,000.00	/	1,000
VB63AFW32X/*S	3/21/2000	5000020658 T95294		800	98,000.00	/	1,000
VB63AFW32X/*S	3/21/2000	5000020657 T95294		800	98,000.00	/	1,000
VB63AFW32X/*S	3/22/2000	5000020847 T95294		688	98,000.00	/	1,000
VB63AFW32X/*S	3/22/2000	5000021552 T95294		800	98,000.00	/	1,000
VB63AFW32X/*S	3/22/2000	5000021748 T95294		800	98,000.00	/	1,000
VB63AFW32X/*S	3/23/2000	5000021819 T95294		800	98,000.00	/	1,000
VB63AFW32X/*S	3/24/2000	5000022256 T95294		-48	98,000.00	/	1,000
VB63AFW32X/*S	3/24/2000	5000022266 T95294		800	98,000.00	/	1,000
VB63AFW32X/*S	3/28/2000	5000023353 T95294		1,515.00	98,000.00	/	1,000
VB63AFW32X/*S	3/28/2000	5000023354 T95294		-1,515.00	98,000.00	/	1,000
VB63AFW32X/*S	3/28/2000	5000023355 T95294		800	98,000.00	/	1,000
VB63AFW32X/*S	3/29/2000	5000023502 4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	3/29/2000	5000023503 4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	3/30/2000	5000023961 4500037329		-16	98,000.00	/	1,000
VB63AFW32X/*S	3/31/2000	5000025140 T95294		800	98,000.00	/	1,000
VB63AFW32X/*S	3/31/2000	5000025068 T95294		800	98,000.00	/	1,000
VB63AFW32X/*S	3/31/2000	5000024456 T95294		800	98,000.00	/	1,000
VB63AFW32X/*S	4/3/2000	5000025187 T95294		800	98,000.00	/	1,000
VB63AFW32X/*S	4/3/2000	5000025186 T95294		800	98,000.00	/	1,000
VB63AFW32X/*S	4/4/2000	5000025449 4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/4/2000	5000025536 4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/5/2000	5000025668 4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/5/2000	5000025801 4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/6/2000	5000026114 4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/6/2000	5000026196 4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/7/2000	5000026552 4500037329		-30	98,000.00	/	1,000
VB63AFW32X/*S	4/7/2000	5000026376 4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/7/2000	5000026377 4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/10/2000	5000026579 4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/11/2000	5000027540 4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/11/2000	5000026976 4500037329		688	98,000.00	/	1,000

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VB63AFW32X/*S	4/11/2000	5000026939	4500037329	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/12/2000	5000027734	4500037329	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/13/2000	5000027985	4500037329	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/13/2000	5000027983	4500037329	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/14/2000	5000028400	4500037329	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/14/2000	5000028375	4500037329	-14	98,000.00	/	1,000	-1,372.00
VB63AFW32X/*S	4/17/2000	5000028694	4500037329	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/17/2000	5000028715	4500037329	752	98,000.00	/	1,000	73,696.00
VB63AFW32X/*S	4/17/2000	5000028719	4500037329	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/17/2000	5000028721	4500037329	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/18/2000	5000029004	4500037329	800	98,000.00	/	1,000	78,400.00
VB63AFW32X/*S	4/18/2000	5000028963	4500037329	752	98,000.00	/	1,000	73,696.00

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VB63AFW32X/*S	4/18/2000	5000028966	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/18/2000	5000029205	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/18/2000	5000029192	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/18/2000	5000029062	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/18/2000	5000029003	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/19/2000	5000029213	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/19/2000	5000029416	4500037329		-23	98,000.00	/	1,000
VB63AFW32X/*S	4/19/2000	5000029373	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/24/2000	5000029944	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/25/2000	5000030129	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/26/2000	5000030526	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/26/2000	5000030525	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	4/27/2000	5000031712	4500037329		-28	98,000.00	/	1,000
VB63AFW32X/*S	5/12/2000	5000035538	4500037329		-2	98,000.00	/	1,000
VB63AFW32X/*S	5/18/2000	5000036954	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	5/18/2000	5000036953	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	5/18/2000	5000037399	4500037329		-1	98,000.00	/	1,000
VB63AFW32X/*S	5/19/2000	5000037733	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	5/19/2000	5000037545	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	5/19/2000	5000037544	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	5/22/2000	5000037880	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	5/23/2000	5000038174	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	5/23/2000	5000038172	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	5/23/2000	5000038173	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	5/23/2000	5000038304	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	5/30/2000	5000039492	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	5/30/2000	5000039493	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	5/31/2000	5000040520	4500037329		-16	98,000.00	/	1,000
VB63AFW32X/*S	5/31/2000	5000040529	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	5/31/2000	5000040053	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	6/1/2000	5000040730	4500037329		496	98,000.00	/	1,000
VB63AFW32X/*S	6/5/2000	5000041253	4500037329		496	98,000.00	/	1,000
VB63AFW32X/*S	6/8/2000	5000042512	4500037329		800	98,000.00	/	1,000
VB63AFW32X/*S	6/9/2000	5000042801	4500037329		-16	98,000.00	/	1,000
VB63AFW32X/*S	6/16/2000	5000044643	4500037329		-18	98,000.00	/	1,000
VB63AFW36031E	2/14/2000	5000010767	4500034612		112	104,350.00	/	1,000
VB63AFW36031E	3/22/2000	5000020848	4500036521		112	104,350.00	/	1,000
VB63AFW36031E	3/24/2000	5000022257	4500034612		-8	104,350.00	/	1,000
VB63AFW36031E	4/5/2000	5000025802	4500036521		8	104,350.00	/	1,000
VB63AFW36031E	4/11/2000	5000026977	4500035112		112	104,350.00	/	1,000
VB63AFW36031E	4/14/2000	5000028376	4500034612		-12	104,350.00	/	1,000
VB63AFW36031E	4/18/2000	5000028965	4500035112		48	104,350.00	/	1,000
VB63AFW36031E	4/19/2000	5000029417	4500034612		-1	104,350.00	/	1,000
VB63AFW36031E	4/28/2000	5000032191	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/1/2000	5000032406	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/1/2000	5000032381	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/2/2000	5000032468	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/2/2000	5000032469	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/2/2000	5000032467	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/2/2000	5000032576	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/2/2000	5000032574	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/3/2000	5000032677	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/3/2000	5000032678	4500035112		760	104,350.00	/	1,000

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VB63AFW36031E	5/4/2000	5000033144	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/5/2000	5000033416	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/5/2000	5000033400	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/5/2000	5000033469	4500035112		-4	104,350.00	/	1,000
VB63AFW36031E	5/5/2000	5000033417	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/5/2000	5000033493	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/8/2000	5000033579	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/8/2000	5000033590	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/8/2000	5000033591	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/8/2000	5000033578	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/10/2000	5000034107	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/10/2000	5000034104	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/11/2000	5000034557	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/11/2000	5000034556	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/12/2000	5000035531	4500035112		-16	104,350.00	/	1,000
VB63AFW36031E	5/15/2000	5000035896	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/15/2000	5000035897	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/15/2000	5000035895	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/16/2000	5000036380	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/16/2000	5000036286	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/17/2000	5000036771	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/18/2000	5000036947	4500035112		760	104,350.00	/	1,000
VB63AFW36031E	5/18/2000	5000037398	4500035112		-25	104,350.00	/	1,000

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VB63AFW36031E	5/19/2000	5000037543	4500035112	760	104,350.00	/	1,000	79,306.00
VB63AFW36031E	5/25/2000	5000038792	4500035112	-16	104,350.00	/	1,000	-1,669.60
VB63AFW36031E	6/1/2000	5000040731	4500035112	304	104,350.00	/	1,000	31,722.40
VB63AFW36031E	6/2/2000	5000040843	4500035112	760	104,350.00	/	1,000	79,306.00
VB63AFW36031E	6/2/2000	5000040841	4500035112	760	104,350.00	/	1,000	79,306.00
VB63AFW36031E	6/2/2000	5000041191	4500035112	760	104,350.00	/	1,000	79,306.00
VB63AFW36031E	6/5/2000	5000041752	4500035112	760	104,350.00	/	1,000	79,306.00
VB63AFW36031E	6/5/2000	5000041630	4500035112	760	104,350.00	/	1,000	79,306.00
VB63AFW36031E	6/5/2000	5000041363	4500035112	760	104,350.00	/	1,000	79,306.00
VB63AFW36031E	6/5/2000	5000041252	4500035112	760	104,350.00	/	1,000	79,306.00
VB63AFW36031E	6/7/2000	5000042212	4500035112	760	104,350.00	/	1,000	79,306.00
VB63AFW36031E	6/7/2000	5000042211	4500035112	760	104,350.00	/	1,000	79,306.00
VB63AFW36031E	6/7/2000	5000042152	4500035112	760	104,350.00	/	1,000	79,306.00
VB63AFW36031E	6/7/2000	5000042153	4500035112	760	104,350.00	/	1,000	79,306.00
VB63AFW36031E	6/8/2000	5000042487	4500035112	760	104,350.00	/	1,000	79,306.00
VB63AFW36031E	6/8/2000	5000042672	4500035112	760	104,350.00	/	1,000	79,306.00
VB63AFW36031E	6/9/2000	5000042802	4500035112	-7	104,350.00	/	1,000	-730.45
VB63AFW36031E	6/16/2000	5000044644	4500035112	-8	104,350.00	/	1,000	-834.8
VB63AFW36X*/S	6/16/2000	5000044727	4500044004	800	98,000.00	/	1,000	78,400.00
VB63AFW36X*/S	6/16/2000	5000044821	4500044004	800	98,000.00	/	1,000	78,400.00
VB63AFW36X*/S	6/16/2000	5000044714	4500044004	800	98,000.00	/	1,000	78,400.00
VB63AFW36X*/S	6/19/2000	5000044967	4500044004	800	98,000.00	/	1,000	78,400.00
VB63AFW36X*/S	6/19/2000	5000044963	4500044004	800	98,000.00	/	1,000	78,400.00
VB63AFW36X*/S	6/20/2000	5000045138	4500044004	800	98,000.00	/	1,000	78,400.00
VB63AFW36X*/S	6/20/2000	5000045139	4500044004	800	98,000.00	/	1,000	78,400.00
VB63AFW36X*/S	6/21/2000	5000045637	4500044004	800	98,000.00	/	1,000	78,400.00
VB63AFW36X*/S	6/21/2000	5000045630	4500044004	800	98,000.00	/	1,000	78,400.00
VB63AFW36X*/S	6/22/2000	5000045955	4500044004	800	98,000.00	/	1,000	78,400.00
VB63AFW36X*/S	6/22/2000	5000046183	4500044004	800	98,000.00	/	1,000	78,400.00
VB68AJB82071E	4/17/2000	5000028716	4500037327	48	129,000.00	/	1,000	6,192.00

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VB68AJB82071E	5/15/2000	5000035894	4500037327		640	129,000.00	/ 1,000	82,560.00
VB68AJB82071E	5/15/2000	5000035892	4500037327		640	129,000.00	/ 1,000	82,560.00
VB68AJB82071E	5/15/2000	5000035893	4500037327		640	129,000.00	/ 1,000	82,560.00
VB68AJB82071E	5/16/2000	5000036192	4500037327		640	129,000.00	/ 1,000	82,560.00
VB68AJB82071E	5/16/2000	5000036283	4500037327		640	129,000.00	/ 1,000	82,560.00
VB68AJB82071E	5/17/2000	5000036795	4500037327		640	129,000.00	/ 1,000	82,560.00
VB68AJB82071E	5/18/2000	5000036936	4500037327		640	129,000.00	/ 1,000	82,560.00
VB68AJB82071E	5/25/2000	5000038790	4500037327		-16	129,000.00	/ 1,000	-2,064.00
VB68AJB82071E	6/8/2000	5000042598	4500037327		640	129,000.00	/ 1,000	82,560.00
VB68AJB82071E	6/8/2000	5000042679	4500037327		640	129,000.00	/ 1,000	82,560.00
VB68AJB82071E	6/14/2000	5000044229	4500037327		640	129,000.00	/ 1,000	82,560.00
Vendor : P01							Total Price	19,366,975.65

Vendor : R01								
VB68ADT2503*S	1/4/2000	5000000064	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/7/2000	5000000557	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/7/2000	5000000556	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/7/2000	5000000555	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/7/2000	5000000554	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/7/2000	5000000553	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/7/2000	5000000572	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/7/2000	5000000579	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/7/2000	5000000573	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/7/2000	5000000559	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/7/2000	5000000571	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/7/2000	5000000558	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/10/2000	5000000864	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/10/2000	5000000865	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/10/2000	5000000862	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/18/2000	5000003719	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/18/2000	5000003495	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/18/2000	5000003494	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/18/2000	5000003493	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/19/2000	5000004071	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/19/2000	5000004072	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/19/2000	5000004057	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/19/2000	5000004058	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/19/2000	5000004059	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/19/2000	5000004070	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/19/2000	5000004073	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/19/2000	5000004056	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/19/2000	5000003837	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/20/2000	5000004302	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/20/2000	5000004218	T95289		-12	133,000.00	/ 1,000	-1,596.00
VB68ADT2503*S	1/20/2000	5000004306	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/20/2000	5000004304	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/20/2000	5000004309	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/21/2000	5000004437	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/21/2000	5000004436	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/21/2000	5000004435	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/21/2000	5000004869	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/21/2000	5000004438	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/21/2000	5000004439	T95289		704	133,000.00	/ 1,000	93,632.00

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VB68ADT2503*S	1/24/2000	5000004979	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/24/2000	5000005155	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/24/2000	5000005154	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/25/2000	5000005446	T95289		704	133,000.00	/ 1,000	93,632.00
VB68ADT2503*S	1/25/2000	5000005445	T95289		704	133,000.00	/ 1,000	93,632.00

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VB68ADT2503*S	1/25/2000	5000005261	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/25/2000	5000005348	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/26/2000	5000005546	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/26/2000	5000005547	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/26/2000	5000005583	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/26/2000	5000005543	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/26/2000	5000005589	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/27/2000	5000005813	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/27/2000	5000006078	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/27/2000	5000005814	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/27/2000	5000005729	T95289	-20	133,000.00	/	1,000	-2,660.00
VB68ADT2503*S	1/27/2000	5000006077	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/27/2000	5000005810	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/27/2000	5000005659	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/28/2000	5000006192	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/28/2000	5000006193	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/28/2000	5000006324	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/28/2000	5000006356	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/31/2000	5000006438	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	1/31/2000	5000006439	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/1/2000	5000006850	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/1/2000	5000006903	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/2/2000	5000007157	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/2/2000	5000007156	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/2/2000	5000007092	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/3/2000	5000007227	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/4/2000	5000008817	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/4/2000	5000008703	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/7/2000	5000008904	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/7/2000	5000008905	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/7/2000	5000008906	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/7/2000	5000008907	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/7/2000	5000008916	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/7/2000	5000009079	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/7/2000	5000008912	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/7/2000	5000009132	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/7/2000	5000009080	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/7/2000	5000008911	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/7/2000	5000008908	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/8/2000	5000009276	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/8/2000	5000009273	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/8/2000	5000009272	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/8/2000	5000009277	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/8/2000	5000009432	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/9/2000	5000009714	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/9/2000	5000009713	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/10/2000	5000009792	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	2/10/2000	5000009794	T95289	704	133,000.00	/	1,000	93,632.00

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VB68ADT2503*S	2/10/2000	5000009793	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	2/11/2000	5000010147	T95289		-60	133,000.00	/	1,000
VB68ADT2503*S	2/11/2000	5000010499	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	2/14/2000	5000010792	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	2/14/2000	5000010766	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	2/14/2000	5000010791	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	2/14/2000	5000010793	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	2/14/2000	5000010764	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	2/14/2000	5000010765	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	2/15/2000	5000010807	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	2/15/2000	5000010806	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	2/16/2000	5000011604	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	2/16/2000	5000011603	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	2/16/2000	5000011605	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	2/16/2000	5000011767	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	2/16/2000	5000011768	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	2/17/2000	5000012009	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	2/25/2000	5000013666	T95289		-39	133,000.00	/	1,000
VB68ADT2503*S	2/25/2000	5000013562	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/2/2000	5000015227	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/2/2000	5000015230	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/2/2000	5000015231	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/2/2000	5000015234	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/2/2000	5000015251	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/2/2000	5000015253	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/2/2000	5000015254	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/6/2000	5000016279	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/6/2000	5000016290	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/9/2000	5000017716	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/9/2000	5000017359	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/10/2000	5000018245	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/10/2000	5000017688	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/13/2000	5000018572	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/13/2000	5000018574	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/13/2000	5000018573	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/13/2000	5000018571	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/13/2000	5000018570	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/13/2000	5000018419	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/13/2000	5000018418	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/13/2000	5000018417	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/14/2000	5000019012	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/14/2000	5000019091	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/15/2000	5000019149	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/15/2000	5000019340	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/15/2000	5000019147	T95289		704	133,000.00	/	1,000



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VB68ADT2503*S	3/15/2000	5000019397	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	3/16/2000	5000019707	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	3/16/2000	5000019483	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	3/16/2000	5000019481	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	3/16/2000	5000019482	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	3/17/2000	5000019786	T95289	704	133,000.00	/	1,000	93,632.00
VB68ADT2503*S	3/17/2000	5000019738	T95289	-26	133,000.00	/	1,000	-3,458.00
VB68ADT2503*S	3/17/2000	5000019973	T95289	704	133,000.00	/	1,000	93,632.00
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VB68ADT2503*S	3/17/2000	5000019972	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/20/2000	5000020373	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/20/2000	5000020391	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/20/2000	5000020390	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/20/2000	5000020379	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/20/2000	5000020378	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/20/2000	5000020376	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/21/2000	5000020844	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/21/2000	5000020651	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/22/2000	5000021746	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/22/2000	5000021745	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/23/2000	5000021815	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/24/2000	5000022265	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/24/2000	5000022578	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/24/2000	5000022436	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/27/2000	5000022680	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/27/2000	5000022684	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/28/2000	5000023055	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/28/2000	5000023273	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/28/2000	5000023056	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/29/2000	5000023496	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	3/29/2000	5000023565	T95289		704	133,000.00	/	1,000
VB68ADT2503*S	3/29/2000	5000023708	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	3/29/2000	5000023702	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	3/30/2000	5000024043	T95289		288	133,000.00	/	1,000
VB68ADT2503*S	3/31/2000	5000025109	T95289		-31	133,000.00	/	1,000
VB68ADT2503*S	4/3/2000	5000025278	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/3/2000	5000025185	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/3/2000	5000025390	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/4/2000	5000025471	T95289		-288	133,000.00	/	1,000
VB68ADT2503*S	4/4/2000	5000025409	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/4/2000	5000025413	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/4/2000	5000025410	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/4/2000	5000025412	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/4/2000	5000025411	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/5/2000	5000025669	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/5/2000	5000025800	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/5/2000	5000026024	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/5/2000	5000026023	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/5/2000	5000026022	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/6/2000	5000026117	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/6/2000	5000026116	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/7/2000	5000026317	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/7/2000	5000026318	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/7/2000	5000026319	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/7/2000	5000026378	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/10/2000	5000026870	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/10/2000	5000026661	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/10/2000	5000026655	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/10/2000	5000026654	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/10/2000	5000026662	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/11/2000	5000026971	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/11/2000	5000027617	4500037323		704	131,000.00	/	1,000
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VB68ADT2503*S	4/12/2000	5000027733	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/12/2000	5000027878	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/13/2000	5000027989	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/13/2000	5000027988	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/14/2000	5000028404	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/14/2000	5000028401	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/19/2000	5000029530	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/20/2000	5000029537	4500037323		-59	131,000.00	/	1,000
VB68ADT2503*S	4/20/2000	5000029637	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/24/2000	5000029940	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/24/2000	5000029941	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/24/2000	5000029942	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/25/2000	5000030251	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/26/2000	5000030889	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/26/2000	5000030826	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/26/2000	5000030643	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/26/2000	5000030642	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/27/2000	5000031868	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/27/2000	5000031049	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/28/2000	5000032040	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/28/2000	5000032044	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	4/28/2000	5000032194	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	5/1/2000	5000032463	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	5/2/2000	5000032579	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	5/2/2000	5000032505	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	5/2/2000	5000032508	4500037323		704	131,000.00	/	1,000
VB68ADT2503*S	5/2/2000	5000032507	4500037323		704	131,000.00	/	1,000

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VB68ADT2503*S	5/3/2000	5000033111	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/3/2000	5000032794	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/3/2000	5000032795	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/3/2000	5000033102	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/4/2000	5000033166	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/8/2000	5000033572	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/8/2000	5000033573	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/8/2000	5000033574	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/9/2000	5000033910	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/9/2000	5000034027	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/9/2000	5000033844	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/10/2000	5000034100	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/10/2000	5000034105	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/10/2000	5000034431	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/10/2000	5000034442	4500037323	#####	131,000.00	/	1,000	26,117,601.00
VB68ADT2503*S	5/10/2000	5000034117	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/10/2000	5000034101	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/10/2000	5000034118	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/11/2000	5000034582	4500037323	#####	131,000.00	/	1,000	-26,025,377.00
VB68ADT2503*S	5/11/2000	5000034786	4500037323	-33	131,000.00	/	1,000	-4,323.00
VB68ADT2503*S	5/11/2000	5000034620	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/11/2000	5000034623	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/12/2000	5000035740	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/12/2000	5000035678	4500037323	-704	131,000.00	/	1,000	-92,224.00
VB68ADT2503*S	5/15/2000	5000035899	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/15/2000	5000035908	4500037323	704	131,000.00	/	1,000	92,224.00

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VB68ADT2503*S	5/15/2000	5000035995	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/15/2000	5000036129	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/15/2000	5000035900	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/15/2000	5000035898	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/16/2000	5000036190	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/17/2000	5000036794	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/17/2000	5000036793	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/18/2000	5000036938	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/18/2000	5000036952	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/19/2000	5000037609	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/19/2000	5000037610	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/19/2000	5000037585	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/22/2000	5000037837	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/22/2000	5000037838	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/22/2000	5000037836	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/22/2000	5000037834	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/23/2000	5000038170	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/23/2000	5000038171	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/24/2000	5000038457	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/24/2000	5000038521	4500037323	-16	131,000.00	/	1,000	-2,096.00
VB68ADT2503*S	5/24/2000	5000038588	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/24/2000	5000038522	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/24/2000	5000038462	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/24/2000	5000038459	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/25/2000	5000038772	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/25/2000	5000038689	4500037323	-31	131,000.00	/	1,000	-4,061.00
VB68ADT2503*S	5/30/2000	5000039498	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/31/2000	5000040486	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/31/2000	5000040522	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	5/31/2000	5000040055	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/1/2000	5000040683	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/2/2000	5000040819	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/2/2000	5000041118	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/2/2000	5000041189	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/2/2000	5000040816	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/2/2000	5000040845	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/2/2000	5000040815	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/5/2000	5000041362	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/5/2000	5000041313	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/5/2000	5000041314	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/5/2000	5000041312	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/5/2000	5000041751	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/6/2000	5000042077	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/6/2000	5000041870	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/6/2000	5000042053	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/7/2000	5000042154	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/7/2000	5000042408	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/7/2000	5000042151	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/8/2000	5000042596	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/8/2000	5000042484	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/8/2000	5000042482	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/9/2000	5000042668	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/9/2000	5000042803	4500037323	-24	131,000.00	/	1,000	-3,144.00

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VB68ADT2503*S	6/9/2000	5000042669	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/9/2000	5000042786	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/12/2000	5000043625	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/12/2000	5000043627	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/12/2000	5000043655	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/12/2000	5000043074	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/12/2000	5000043065	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/12/2000	5000043062	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/13/2000	5000043766	4500037323	704	131,000.00	/	1,000	92,224.00



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VB68ADT2503*S	6/15/2000	5000044392	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/15/2000	5000044393	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/15/2000	5000044394	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/19/2000	5000044961	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/19/2000	5000044960	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/19/2000	5000045180	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/19/2000	5000044962	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/20/2000	5000045381	4500037323	-704	131,000.00	/	1,000	-92,224.00
VB68ADT2503*S	6/23/2000	5000046278	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/23/2000	5000046334	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2503*S	6/23/2000	5000046277	4500037323	704	131,000.00	/	1,000	92,224.00
VB68ADT2506*S	1/20/2000	5000004431	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	1/21/2000	5000004434	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	1/21/2000	5000004820	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	1/24/2000	5000005013	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	1/24/2000	5000004971	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	1/24/2000	5000005010	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	1/24/2000	5000005011	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	1/24/2000	5000005012	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	1/27/2000	5000005820	T95290	-3	133,000.00	/	1,000	-399
VB68ADT2506*S	2/10/2000	5000010177	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	2/10/2000	5000010217	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	2/10/2000	5000010216	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	2/10/2000	5000010215	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	2/11/2000	5000010148	T95290	-14	133,000.00	/	1,000	-1,862.00
VB68ADT2506*S	2/21/2000	5000012393	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	2/21/2000	5000012398	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	2/25/2000	5000013665	T95290	-3	133,000.00	/	1,000	-399
VB68ADT2506*S	2/25/2000	5000013563	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/17/2000	5000019739	T95290	-3	133,000.00	/	1,000	-399
VB68ADT2506*S	3/20/2000	5000020374	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/20/2000	5000020377	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/21/2000	5000020650	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/21/2000	5000020846	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/23/2000	5000022102	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/23/2000	5000021820	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/24/2000	5000022268	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/24/2000	5000022267	T95290	704	133,000.00	/	1,000	93,632.00
VB68ADT2506*S	3/31/2000	5000025141	T95290	-32	133,000.00	/	1,000	-4,256.00
VB68ADT2506*S	4/7/2000	5000026379	4500037322	704	131,000.00	/	1,000	92,224.00
VB68ADT2506*S	4/7/2000	5000026549	4500037322	704	131,000.00	/	1,000	92,224.00
VB68ADT2506*S	4/10/2000	5000026656	4500037322	704	131,000.00	/	1,000	92,224.00
VB68ADT2506*S	4/10/2000	5000026871	4500037322	704	131,000.00	/	1,000	92,224.00
VB68ADT2506*S	4/10/2000	5000026666	4500037322	704	131,000.00	/	1,000	92,224.00

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VB68ADT2506*S	4/10/2000	5000026650	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	4/11/2000	5000026970	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	4/17/2000	5000028723	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	4/17/2000	5000028699	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	4/17/2000	5000028722	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	4/18/2000	5000028961	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	4/18/2000	5000028960	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	4/20/2000	5000029674	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	4/20/2000	5000029638	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	4/24/2000	5000029976	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	4/24/2000	5000029929	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	4/27/2000	5000031799	4500037322		-704	131,000.00	/	1,000
VB68ADT2506*S	4/27/2000	5000031795	4500037322		-704	131,000.00	/	1,000
VB68ADT2506*S	4/27/2000	5000031797	4500037322		-704	131,000.00	/	1,000
VB68ADT2506*S	4/27/2000	5000031840	4500037322		-144	131,000.00	/	1,000
VB68ADT2506*S	4/28/2000	5000032046	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	5/1/2000	5000032432	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	5/2/2000	5000032509	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	5/2/2000	5000032504	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	5/2/2000	5000032511	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	5/11/2000	5000034864	4500037322		-18	131,000.00	/	1,000
VB68ADT2506*S	5/19/2000	5000037586	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	5/22/2000	5000037835	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	5/23/2000	5000038177	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	5/23/2000	5000038261	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	5/24/2000	5000038508	4500037322		-31	131,000.00	/	1,000
VB68ADT2506*S	5/25/2000	5000038830	4500037322		-5	131,000.00	/	1,000
VB68ADT2506*S	6/9/2000	5000042784	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	6/9/2000	5000042785	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	6/12/2000	5000043624	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	6/12/2000	5000043061	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	6/12/2000	5000043626	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	6/12/2000	5000043075	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	6/13/2000	5000043948	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	6/13/2000	5000043833	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	6/14/2000	5000044053	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	6/15/2000	5000044389	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	6/15/2000	5000044410	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	6/21/2000	5000045638	4500037322		704	131,000.00	/	1,000
VB68ADT2506*S	6/21/2000	5000045631	4500037322		704	131,000.00	/	1,000
VB68ADT25893S	1/20/2000	5000004219	4500007618		-1	133,000.00	/	1,000
VB68ADT25893S	1/25/2000	5000005442	4500007618		704	133,000.00	/	1,000
VB68ADT25893S	3/22/2000	5000015255	4500007618		704	133,000.00	/	1,000
VB68ADT25893S	4/3/2000	5000025215	4500037320		704	131,000.00	/	1,000
VB68ADT25893S	5/5/2000	5000033404	4500037320		704	131,000.00	/	1,000
VB68ADT25893S	6/14/2000	5000044090	4500037320		1,680.00	131,000.00	/	1,000
VB68ADT25893S	6/16/2000	5000044843	4500037320		-1,680.00	131,000.00	/	1,000
VB90AFX1513*S	4/13/2000	5000028169	4500037317		264	420,000.00	/	1,000
VB90AFX1513*S	4/14/2000	5000028269	4500037317		264	420,000.00	/	1,000

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VB90AFX1513*S	4/17/2000	5000028848	4500037317	264	420,000.00	/	1,000	110,880.00
VB90AFX1513*S	4/17/2000	5000028727	4500037317	264	420,000.00	/	1,000	110,880.00
VB90AFX1513*S	4/18/2000	5000028962	4500037317	264	420,000.00	/	1,000	110,880.00
VB90AFX1513*S	4/19/2000	5000029218	4500037317	264	420,000.00	/	1,000	110,880.00

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VB90AFX1513*S	4/19/2000	5000029214	4500037317		264	420,000.00	/	1,000	110,880.00
VB90AFX1513*S	4/20/2000	5000029737	4500037317		264	420,000.00	/	1,000	110,880.00
VB90AFX1513*S	5/1/2000	5000032405	4500037317		264	420,000.00	/	1,000	110,880.00
VB90AFX1513*S	5/2/2000	5000032503	4500037317		224	420,000.00	/	1,000	94,080.00
VB90AFX1513*S	5/2/2000	5000032514	4500037317		264	420,000.00	/	1,000	110,880.00
VB90AFX1513*S	5/31/2000	5000040382	4500037317		-6	420,000.00	/	1,000	-2,520.00
VB90AFX1513*S	6/8/2000	5000042481	4500037317		264	420,000.00	/	1,000	110,880.00
VB90AFX1513*S	6/8/2000	5000042439	4500037317		264	420,000.00	/	1,000	110,880.00
VB90AFX1513*S	6/8/2000	5000042480	4500037317		264	420,000.00	/	1,000	110,880.00
VB90AFX1513*S	6/8/2000	5000042677	4500037317		264	420,000.00	/	1,000	110,880.00
VB90AFX1513*S	6/12/2000	5000043078	4500037317		264	420,000.00	/	1,000	110,880.00
VB90AFX1513*S	6/12/2000	5000043076	4500037317		264	420,000.00	/	1,000	110,880.00
VB90AFX1513*S	6/13/2000	5000043761	4500037317		264	420,000.00	/	1,000	110,880.00
VB90AFX1513*S	6/13/2000	5000043760	4500037317		264	420,000.00	/	1,000	110,880.00
VB90AFX1513*S	6/14/2000	5000044059	4500037317		264	420,000.00	/	1,000	110,880.00
VB90AFX1513*S	6/14/2000	5000044091	4500037317		264	420,000.00	/	1,000	110,880.00
VB90AFX1513*S	6/15/2000	5000044390	4500037317		264	420,000.00	/	1,000	110,880.00
VB90AFX1513*S	6/15/2000	5000044391	4500037317		264	420,000.00	/	1,000	110,880.00
Vendor : R01							Total Price		36,651,497.00

Vendor : S24									
VB48KRD89X/3E	5/22/2000	5000037971	4500032406		96	61,500.00	/	1,000	5,904.00
Vendor : S24							Total Price		5,904.00

Vendor : T02									
VB90AHH5006*S	1/11/2000	5000001359	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	1/11/2000	5000001360	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	1/11/2000	5000001583	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	1/12/2000	5000001806	T95286		-448	409,000.00	/	1,000	-183,232.00
VB90AHH5006*S	1/12/2000	5000001787	T95286		-448	409,000.00	/	1,000	-183,232.00
VB90AHH5006*S	1/12/2000	5000001767	T95286		448	409,000.00	/	1,000	183,232.00
VB90AHH5006*S	1/12/2000	5000001768	T95286		448	409,000.00	/	1,000	183,232.00
VB90AHH5006*S	1/12/2000	5000001807	T95286		-448	409,000.00	/	1,000	-183,232.00
VB90AHH5006*S	1/12/2000	5000001766	T95286		448	409,000.00	/	1,000	183,232.00
VB90AHH5006*S	1/14/2000	5000002514	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	1/18/2000	5000003497	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	1/18/2000	5000003496	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	1/19/2000	5000004094	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	1/24/2000	5000005041	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	1/24/2000	5000005042	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	1/26/2000	5000005427	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	1/27/2000	5000005728	T95286		-7	409,000.00	/	1,000	-2,863.00
VB90AHH5006*S	2/2/2000	5000007018	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	2/3/2000	5000008413	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	2/4/2000	5000008726	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	2/11/2000	5000010149	T95286		-7	409,000.00	/	1,000	-2,863.00
VB90AHH5006*S	2/23/2000	5000013085	T95286		-2	409,000.00	/	1,000	-818
VB90AHH5006*S	3/6/2000	5000016597	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/8/2000	5000017320	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/9/2000	5000017605	T95286		-2	409,000.00	/	1,000	-818
VB90AHH5006*S	3/9/2000	5000017358	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/13/2000	5000018411	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/13/2000	5000018412	T95286		288	409,000.00	/	1,000	117,792.00

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VB90AHH5006*S	3/14/2000	5000018766	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/15/2000	5000019146	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/15/2000	5000019398	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/16/2000	5000019536	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/20/2000	5000020335	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/20/2000	5000020375	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/20/2000	5000020336	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/20/2000	5000020332	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/20/2000	5000020333	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/20/2000	5000020372	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/22/2000	5000021744	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/22/2000	5000021657	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/22/2000	5000021477	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/23/2000	5000022107	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/23/2000	5000021842	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/24/2000	5000022355	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	3/31/2000	5000025144	T95286		-6	409,000.00	/	1,000	-2,454.00
VB90AHH5006*S	4/3/2000	5000025194	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/3/2000	5000025275	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/3/2000	5000025375	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/4/2000	5000025408	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/5/2000	5000025751	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/6/2000	5000026044	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/6/2000	5000026113	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/6/2000	5000026118	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/10/2000	5000026779	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/10/2000	5000026651	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/10/2000	5000026653	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/11/2000	5000026934	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/12/2000	5000027877	T95286		288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/12/2000	5000027873	T95286		288	409,000.00	/	1,000	117,792.00

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VB90AHH5006*S	4/12/2000	5000027861	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/13/2000	5000028168	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/13/2000	5000028166	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	4/14/2000	5000028264	T95286	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/1/2000	5000032433	4500037326	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/2/2000	5000032519	4500037326	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/3/2000	5000032736	4500037326	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/4/2000	5000033190	4500037326	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/5/2000	5000033408	4500037326	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/5/2000	5000033407	4500037326	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/5/2000	5000033409	4500037326	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/8/2000	5000033703	4500037326	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/8/2000	5000033660	4500037326	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/10/2000	5000034159	4500037326	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/10/2000	5000034309	4500037326	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/11/2000	5000034898	4500037326	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/15/2000	5000035915	4500037326	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/15/2000	5000035916	4500037326	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/15/2000	5000035958	4500037326	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/17/2000	5000036790	4500037326	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/17/2000	5000036670	4500037326	288	409,000.00	/	1,000	117,792.00
VB90AHH5006*S	5/17/2000	5000036783	4500037326	288	409,000.00	/	1,000	117,792.00

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Material	GR Posting Date	Material Doc.	PO Number	Deliv.Note	GR Quantity	Unit Price	/ Price Unit	
VB90AHH5006*S	5/18/2000	5000037393	4500037326		288	409,000.00	/ 1,000	117,792.00
VB90AHH5006*S	5/19/2000	5000037607	4500037326		288	409,000.00	/ 1,000	117,792.00
VB90AHH5006*S	5/22/2000	5000037833	4500037326		288	409,000.00	/ 1,000	117,792.00
VB90AHH5006*S	5/22/2000	5000037853	4500037326		288	409,000.00	/ 1,000	117,792.00
VB90AHH5006*S	5/22/2000	5000037914	4500037326		288	409,000.00	/ 1,000	117,792.00
VB90AHH5006*S	5/24/2000	5000038503	4500037326		288	409,000.00	/ 1,000	117,792.00
VB90AHH5006*S	5/24/2000	5000038465	4500037326		288	409,000.00	/ 1,000	117,792.00
VB90AHH5006*S	6/1/2000	5000040538	4500037326		288	409,000.00	/ 1,000	117,792.00
VB90AHH5006*S	6/1/2000	5000040537	4500037326		288	409,000.00	/ 1,000	117,792.00
VB90AHH5006*S	6/1/2000	5000040536	4500037326		288	409,000.00	/ 1,000	117,792.00
VB90AHH5006*S	6/2/2000	5000040818	4500037326		288	409,000.00	/ 1,000	117,792.00
VB90AHH5006*S	6/2/2000	5000041119	4500037326		288	409,000.00	/ 1,000	117,792.00
VB90AHH5006*S	6/5/2000	5000041250	4500037326		288	409,000.00	/ 1,000	117,792.00
VB90AHH5006*S	6/12/2000	5000043044	4500037326		288	409,000.00	/ 1,000	117,792.00
Vendor : T02						Total Price		9,884,712.00

No of Records found : 901

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Selection Options Chosen

Vendor H01  
Vendor M14  
Vendor P01  
Vendor R01  
Vendor T02  
Vendor S24  
Plant SM01  
GR Posting Date 01/01/2001 - 06/30/2001

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Material	GR Posting Date	Material Doc.	PO Number	Deliv.Note	GR Quantity	Unit Price	/	Price Unit	Net Price
Vendor : P01									
VB63AFW36X/*S	3/14/2001	5000130138	4500061555		8	98,000.00	/	1,000	784
VB80ECK27296S	2/27/2001	5000125888	4500055990		4	240	/	1,000	0.96
Vendor : P01									
							Total Price	784.96	

No of Records found : 2